



BNC(M)-KY2/SMB-KW2-150



QSMA-KWB3/SMA-KWB3-200



BNC(S)-KY2/SSMB-KW2-228



MCX-JW2/MCX-J2-500



N-J304G/N-J304G-350



F/F-RG59U-500



MCX-J3/SMA-K3-RG316-228



N-K3Y/N-K2Y-300



SMA-J3/SMA-JW3-100



SMA-JWB2/SMA-JWB2-100



SMA-JB2/SMA-JB2-105



SMA-JB401G/SMA-JB401G-1000



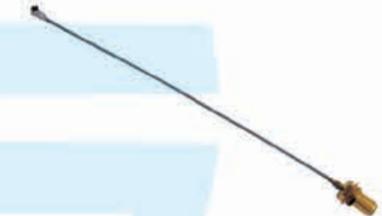
SMA-JB2/SMA-JB2-100



SMA-JW2/SMA-KY2-100



SMA-JWB3/SMA-JB3-50



PSMA-JY1/1PX-1-1.130D



SMA-KY3/MMCX-JW3-RG316-300



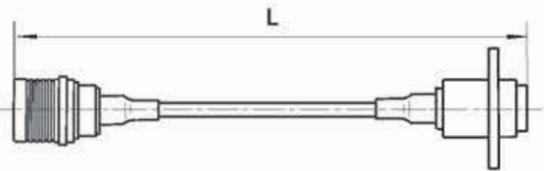
N-KY1/1PX-1.130D



SMB-JB3/SMB-JB3-100

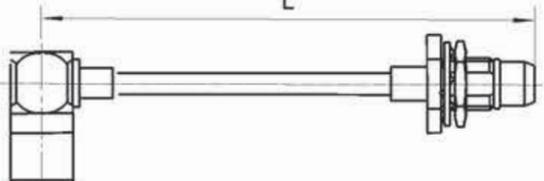


SMA-JB2/SMA-JB2-50



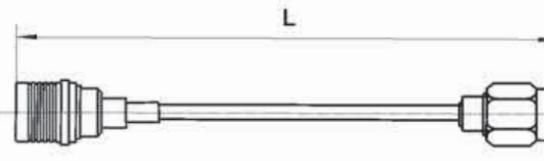
QSMA-J3/BMA-KF3Y-Cable type-L

Connectors Type	Cable code
QSMA-J3 BMA-KF3Y	3



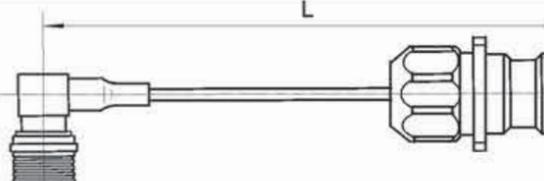
SMB-KWB2/BMA-JYB2-Cable type-L

Connectors Type	Cable code
SMB-KWB2 BMA-JYB2	B2



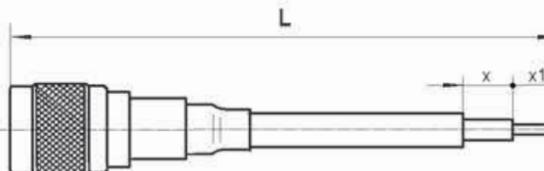
QSMA-JB2/SSMA-JB2-Cable type-L

Connectors Type	Cable code
QSMA-JB2 SSMA-JB2	B2



QSMA-JW3/TNC-KF3-Cable type-L

Connectors Type	Cable code
QSMA-JW3 TNC-KF3	3



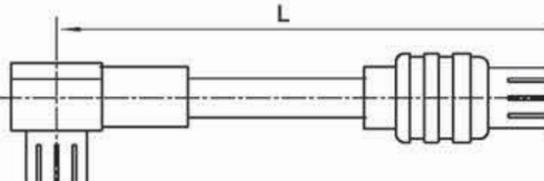
TNC-J3Y-Cable type-L

Connectors Type	Cable code
TNC-J3Y	3



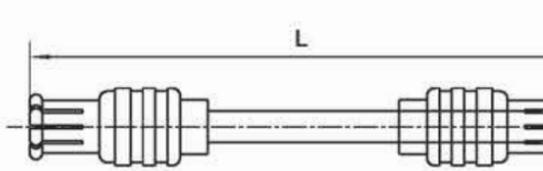
SMA-J402/SMA-J402-TFLEX402-L

Connectors Type	Cable Type
SMA-J402	TFLEX402



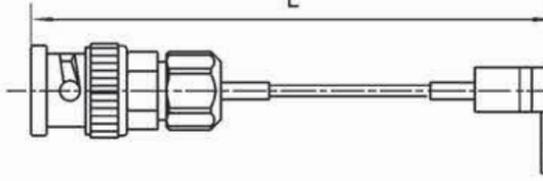
MCX-JWB2/MCX-JB2-Cable type-L

Connectors Type	Cable code
MCX-JWB2 MCX-JB2	B2



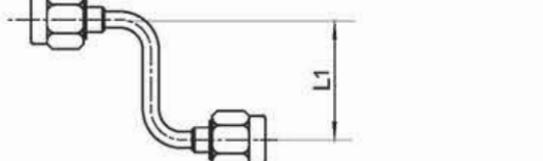
MCX-JB2/MCX-JB2-Cable type-L

Connectors Type	Cable code
MCX-JB2	B2



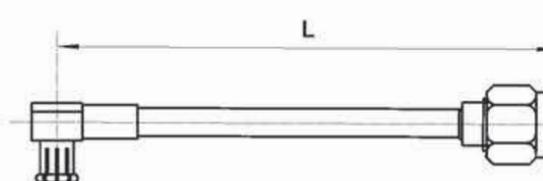
BNC-J3/SMB-KW3-Cable type-L

Connectors Type	Cable code
BNC-J3 SMB-KW3	3



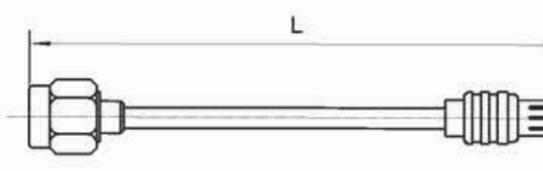
SMA-JB3/SMA-JB3-Cable type-L

Connectors Type	Cable code
SMA-JB3	B3



MCX-JWB2/SMA-JB2-Cable type-L

Connectors Type	Cable code
MCX-JWB2 SMA-JB2	B2



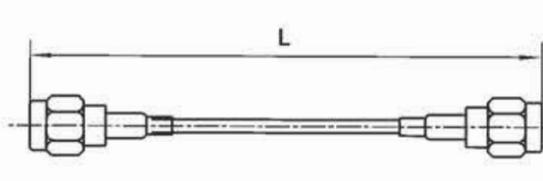
SMA-JB2/MCX-JB2-Cable type-L

Connectors Type	Cable code
SMA-JB2 MCX-JB2	B2



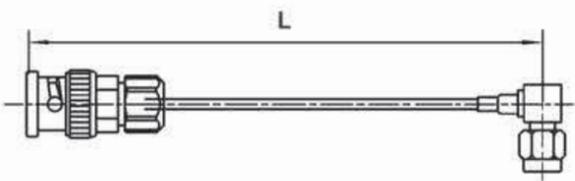
QSMA-JW3/SMA-JW3-Cable type-L

Connectors Type	Cable code
QSMA-JW3 SMA-JW3	3



SMA-J5/SMA-J5-Cable type-L

Connectors Type	Cable code
SMA-J5	5



BNC-J3/SMA-JW3-Cable type-L

Connectors Type	Cable code
BNC-J3 SMA-JW3	3



SMB-KW3/SMB-KW3-Cable type-L

Connectors Type	Cable code
SMB-KW3	3



SMA-JB2/SMA-JB2-Cable type-L

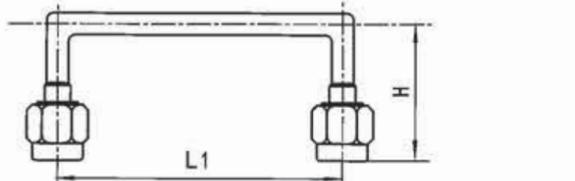
Connectors Type	Cable code
SMA-JB2	B2



SMA-JB2/SMA-JB2-Cable type-La

$La=L1+H$

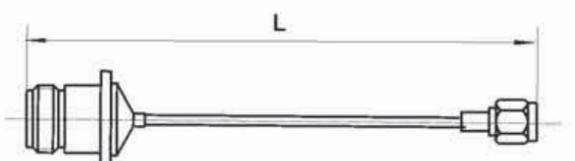
Connectors Type	Cable code
SMA-JB2	B2



SMA-JB2/SMA-JB2-Cable type-Lb

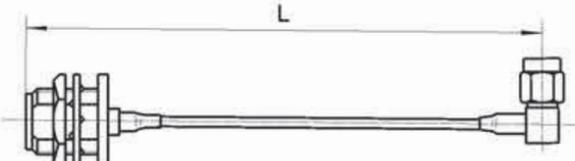
$Lb=L1+2H$

Connectors Type	Cable code
SMA-JB2	B2



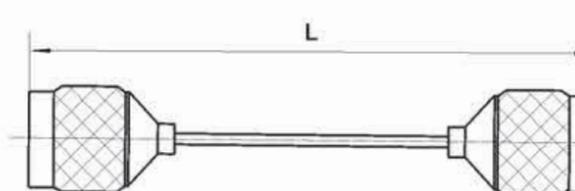
N-KFB3/SMA-JB3-Cable type-L

Connectors Type	Cable code
N-KFB3 SMA-JB3	B3



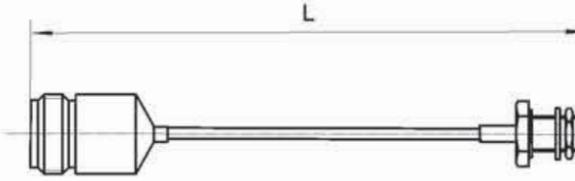
N-KY3Y/SMA-JW3-Cable type-L

Connectors Type	Cable code
N-KY3Y SMA-JW3	3



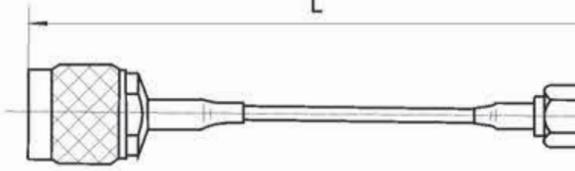
N-JB3/N-JB3-Cable type-L

Connectors Type	Cable code
N-JB3	B3



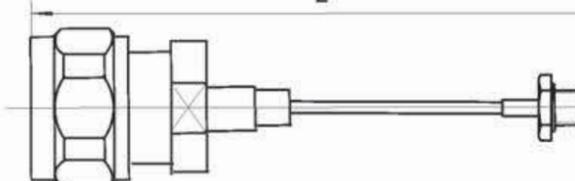
N-KB3/SMA-KYB3-Cable type-L

Connectors Type	Cable code
N-KB3 SMA-KYB3	B3



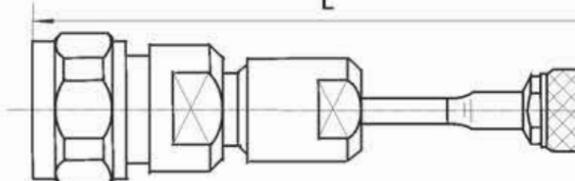
N-J3Y/SMA-J3-Cable type-L

Connectors Type	Cable code
N-J3Y SMA-J3	3



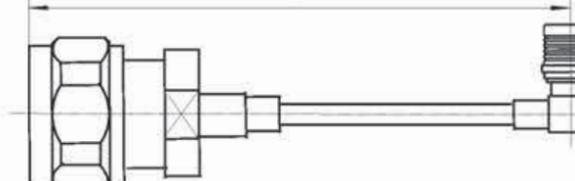
L29-JB3/SMA-KYB3-Cable type-L

Connectors Type	Cable code
L29-JB3 SMA-KYB3	B3



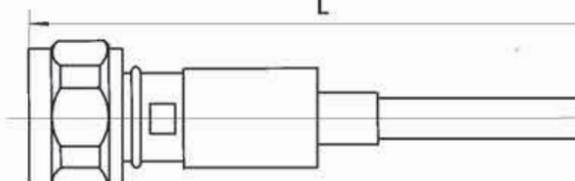
L29-J8/N-J8Y-Cable type-L

Connectors Type	Cable code
L29-J8 N-J8Y	8



L29-JB3/QSMAJWB3-Cable type-L

Connectors Type	Cable code
L29-JB3 QSMA-JWB3	B3



L29-50JFSG-FSJ4-50B-L

Connectors Type	Cable type
L29-50JFSG	FSJ4-50B

Cable Cross Reference

cable part number	cable type	characteristic impedance Ω	diameter size Φ (mm)				
			center conductor		out diameter of insulator	out diameter of shield	out diameter of jacket
			composing	out diameter			
2	SYV-50-1	50	7×0.09	0.27	0.87±0.05	1.45S	1.9±0.1
	SFF-50-1						
	RG-17&U	50	7×0.1	0.30	0.91	1.37S	2.01±0.1
	RG-19&U	50	7×0.1	0.30	0.86	1.37S	2.03
	SFF-75-1	75	Single core	0.17	0.87	1.37S	1.80
3	SYV-50-2-1	50	7×0.16	0.48	1.5±0.1	2.1S	2.9±0.1
	SFF-50-1.5-1	50	7×0.18	0.54	1.5±0.1	2.1S	2.55±0.15
	RG-174/U	50	7×0.16	0.48	1.52	2.24S	2.54
	RG-316/U	50	7×0.17	0.51	1.52	2.06S	2.59
	RG-188/U	50	7×0.18	0.54	1.52	2.06S	2.79
	SFF-75-1.5-1	75	7×0.1	0.30	1.50	---	2.55
	SFF-75-1.5-2	75	7×0.1	0.30	1.50	---	3.2
	SYV-75-2	75	7×0.08	0.24	1.50	2.1S	2.9±0.1
	RG-179B/U	75	7×0.1	0.30	1.60	2.13S	2.54
	3A	RG-316DT	50	7×0.17	0.51	1.60	2.22D
4	SFF-50-2-1	50	Single core	0.73	2.2	-S	3.3±0.2
	SFF-75-2	75	Single core	0.41	2.2	---	3.2
4A	SYV-50-2-2	50	7×0.23	0.68	2.2	3.1D	4.0
	SFF-50-2-2	50	Single core	0.73	2.2	-D	4.0
5	SFF-50-3-1	50	Single core	0.93	3.0	-S	4.5±0.25
	SYV-50-3	50	Single core	0.90	3.0	3.85S	5.0±0.25
	RG-141A/U	50	Single core	0.99	2.95	3.71S	4.83
	RG-58C/U	50	Single core	0.90	2.95	3.81S	4.95
	RG-303/U	50	Single core	0.99	2.95	3.71S	4.32
	RG-58/U	53.5	Single core	0.81	2.95	3.60S	4.95
	SYV-75-3	75	7×0.17	0.51	2.95	3.85S	5.0±0.25
	SFF-75-3-1	75	Single core	0.55	3.0	-S	4.5
5A	SFF-75-3-2	75	Single core	0.55	3.0	-D	5.5
	SFF-50-3-2	50	Single core	0.93	3.0	-D	5.5D
	RG-55/U	53.5	Single core	0.81	2.95	4.20D	5.23
	RG-142B/U	50	Single core	0.99	2.95	4.34D	4.95
	RG-223/U	50	Single core	0.89	2.95	4.47D	5.49
	RG-400/U	50	19×0.18	0.99	2.95	4.34D	4.95
	RG-59B/U	75	Single core	0.58	3.71	4.85S	6.15
6	RG-140/U	75	Single core	0.64	3.71	4.47S	5.92
	SYV-50-5-2	50	Single core	1.37	4.6±0.20	6.20D	7.8±0.30
	RG-5A/U	50	Single core	1.29	4.60	6.30D	8.33

1. Letters in out diameter of shields: S: single comb shield D: double comb shield 2. cable: RG-XXXU is the model of abroad.
 3. executive standard of domestic flexible/semi-rigid cable 4. executive standard of foreign flexible/semi-comfortable cable

cable part number	cable type	characteristic impedance Ω	diameter size Φ (mm)					
			center conductor		out diameter of insulator	out diameter of shield	out diameter of jacket	
			composing	out diameter				
6	RG-212/U	50	Single core	1.44	4.70	6.30D	8.43	
	RG-222/U	50	Single core	1.41	4.70	6.30D	8.43	
	RG-21/U	53	Single core	1.29	4.70	6.30D	8.43	
	RG-6A/U	75	Single core	0.72	4.70	6.30D	8.43	
7	SYV-50-7-1	50	7×0.75	2.26	7.3±0.25	8.5S	10.2±0.30	
	RG-165/U	50	7×0.80	2.40	7.25	8.64S	10.40	
	RG-213/U	50	7×0.75	2.26	7.25	8.64S	10.29	
	RG-215/U	50	7×0.75	2.26	7.25	8.64S	12.07*	
	RG-8/U	52	7×0.72	2.17	7.24	8.20S	10.29	
	RG-10/U	52	7×0.72	2.17	7.24	8.20S	12.07*	
	SYV-75-7	75	7×0.4	1.20	7.25±0.25	8.50S	10.2±0.30	
	RG-11/U	75	7×0.4	1.20	7.24	8.20S	10.29	
	RG-144/U	75	7×0.45	1.35	7.25	8.38S	10.40	
	RG-214/U	50	7×0.75	2.26	7.25	9.14D	10.80	
	RG-225/U	50	7×0.79	2.38	7.24	9.14D	10.92	
	RG-9/U	51	7×0.72	2.17	7.11	8.70D	10.67	
	8	SYV-50-7-2	50	7×0.75	2.26	7.3±0.25	9.30D	11.2±0.30
	9	SYV-50-9	50	---	2.85	9.0±0.30	10.2	12.4±0.40
RG-119/U		50	---	2.59	8.43	10.52D	11.81	
10	SYV-50-12	50	---	3.6	11.5±0.4	12.8	15±0.50	
	RG-34/U	71	7×0.72	2.17	11.56	12.9	15.88	
	RG-217/U	50	---	2.69	9.40	11.76D	15.62	
11	SYV-50-15	50	---	4.62	15±0.50	16.4	19±0.50	
12	SYV-75-3	75	---	0.51	3±0.15	3.85S	5±0.25	
13	SYV-75-5-1/2	75	---	0.72, 0.78	4.60±0.20	5.5S	7.1±0.30	
15	SYV-75-7	75	7×0.40	1.20	7.3±0.25	8.50S	10.2±0.30	
16	SYV-75-9	75	---	1.37	9±0.30	10.2	12.4±0.40	
17	SYV-75-15	75	---	2.46	15±0.50	16.4	19±0.50	
18	SYV-75-17	75	---	2.85	17.3±0.70	19.3	22.2±0.60	
19	SYV-100-7	---	---	0.6	7.3±0.25	8.5	10.2±0.30	
20	SIV-7 SDY-7	---	---	0.3	6.6±0.20	---	9.6	
21	SDY-4	---	---	0.64	3.7±0.25	---	6.2±0.40	
22	SXM-50-7	50	---	1.68	7.3±0.30	---	9.9±0.60	
23	SXH-50-9	50	---	1.4	8.7±0.40	---	14.5±0.90	
24	SXH-75-5	75	---	0.78	5.4±0.30	---	9.2±0.60	
25	SXM-75-5	75	---	0.68	5.5±0.30	---	8±0.50	

Note:
 1. Letters in out diameter of shield: S: single comb shield D: double comb shield 2. cable: RG-XXXU is the model of abroad.
 3. Executive standard of domestic flexible/semi-rigid cable 4. Executive standard of foreign flexible/semi-comfortable cable

Cable Cross Reference

cable part number	cable type	characteristic impedance Z_0	diameter size Φ (mm)				
			center conductor		out diameter of insulator	out diameter of shield	out diameter of jacket
			composing	out diameter			
26	SX-75-6	75		0.78	6±0.30		6.8±0.40
27	SYV-50-5-1	50		1.37	4.6±0.20	5.5S	7±0.30
28	SYV-50-5-2	50		1.37	4.6±0.20	6.2D	7.8±0.30
29	SYV-50-17	50		5.2	17.3±0.70	19.3	22.2±0.60
30	SYV-50-5-23-1/2	50		6.85	23±0.10	25.4±0.10	28.8±0.70
31	SYV-50-5-28-1/2			8.25	28±0.10	30±0.10	34.5±0.8
32	SYV-75-2	75	7×0.08	0.24	1.5±0.10	2.1S±0.10	2.9±0.1
33	SYV-75-12	75		1.92	11.5±0.40	12.8	15±0.5
34	SYV-75-23-1/2	75		3.18	23±1.0	25±0.10	28.8±0.70
35	SYV-75-28-1/2	75		4.5	28±1.0	30±0.10	34.5±0.80
flexible cable semi-rigid/comfortable cable							
B2	SFT-50-2-1	50	Single core	0.51	1.67	2.2	
	SFT-75-2	75	Single core	0.27	1.67	2.2	
	RG405/U	50	Single core	0.51	1.67	2.2	
B3	SFT-50-3-1	50	Single core	0.93	3.0	3.6	
	SFT-75-3	75	Single core	0.55	3.0	3.6	
	RG-402/U	50	Single core	0.92	3.0	3.6	
B5	SFT-50-5-2	50	Single core	1.60	5.20	6.0	
	SFT-75-5-3	75	Single core	0.95	5.3	6.0	

Note:
 1. Letters in out diameter of shield: S: single comb shield; D: double comb shield; 2. Φ cable: RG-XXX/U is the model of abroad.
 3. Executive standard of domestic flexible/semi-rigid cable; 4. Executive standard of foreign flexible/semi-comfortable cable

Cable Cross Reference

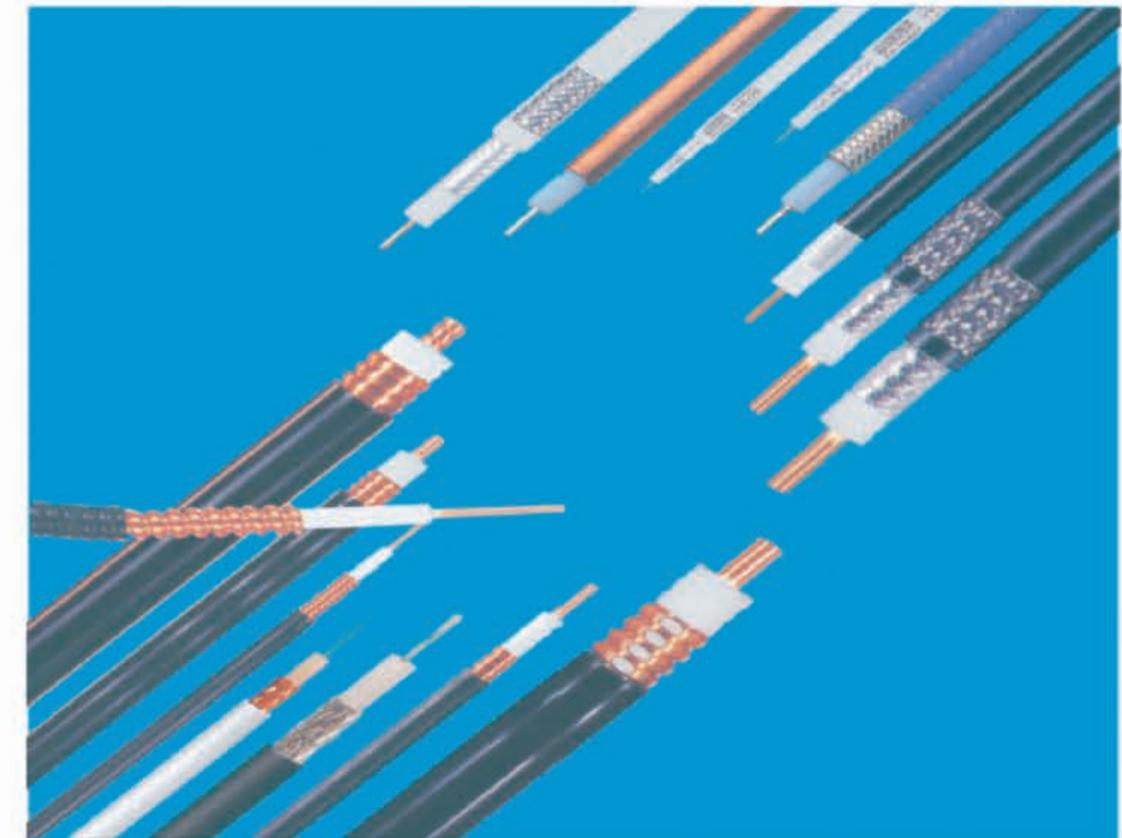
cable part number	size in inch	cable type	characteristic impedance Z_0	diameter size Φ (mm)							
				center conductor		insulation		out conductor		out diameter of jacket	
				composing	out diameter	composing	out diameter	composing	out diameter		
501	1/4"	RFF 1/4" -50(NK) (super flexible)	50	copper line	1.9	foam polythene	4.8	helix corrugated copper pipe	6.4	7.4	
		FSJ1-50A (HELIAX ANDREW) (super flexible)	50	copper line	1.9	foam polythene	4.7	helix corrugated copper pipe	6.4	7.4	
502		H5IRP-50A (HELIAX ANDREW)	50	copper line	—	air dielectric	4.7	helix corrugated copper pipe	6.4	7.4	
504		LDF1-50 (HELIAX ANDREW)	50	copper line	2.6	foam polythene	—	corrugated copper tube cable	7.7	8.8	
511		SYFY-50-7-51	50	copper line	3.1	foam polythene	—	helix corrugated copper pipe	9.7	11	
512		HST2-50 (HELIAX ANDREW)	50	copper line	—	air dielectric	—	helix corrugated copper pipe	9.5	10.5	
513	3/8"	RFF 3/8" -50(NK) (super flexible)	50	copper line	2.6	foam polythene	6.5	helix corrugated copper pipe	9.0	10.1	
		FSJ2-50 (HELIAX ANDREW)	50	—	2.8	air dielectric	—	helix corrugated copper pipe	9.5	10.5	
532		HLT4-50T (HELIAX ANDREW)	50	—	4.8	air dielectric	—	helix corrugated copper pipe	14	15.5	
533	1/2"	RFF 1/2" -50(NK) (super flexible)	50	—	3.55	foam polythene	9.0	helix corrugated copper pipe	11.9	13.5	
		FSJ4-50 (HELIAX ANDREW) (super flexible)	50	—	3.6	foam polythene	—	helix corrugated copper pipe	12.2	13.5	
534		LDF4-50A (HELIAX ANDREW)	50	—	4.6	foam polythene	—	corrugated copper tube cable	14	16	
542	5/8"	HJ4-5-50 (HELIAX ANDREW)	50	—	6.9	air dielectric	—	helix corrugated copper pipe	19.7	22.2	
551		VXL5-50 (HELIAX ANDREW)	50	helix copper pipe	9.42	foam polythene	—	helix corrugated copper pipe	24.9	27.5	
552	7/8"	HJ5-50 (HELIAX ANDREW)	50	copper pipe	9.1	air dielectric	—	helix corrugated copper pipe	25.7	28.2	
553		RFF 7/8" -50(NK) (super flexible)	50	copper pipe	9.1	foam polythene	23.2	helix corrugated copper pipe	23.5	28.7	

Cable Cross Reference

cable part number	size in inch	cable type	diameter size Φ (mm)			
			Center conductor out diameter	out diameter of insulator	out diameter of shield	out diameter of jacket
500	1/2" SFX500PE	50	3.5	---	10.2	11.5
540	1/2" FXL540PE	50	5	---	13.6	15.4
601	LMR400	50	2.74	7.24	8.13	10.29
602	RG6-5	75	0.9	4.9	5.9	7.3
603	RG-11	75	2.17	7	8.7	10.67
604	LL-335	50	2.5	---	7.1	8.4
605	TEFLX-RG401	50	1.6	5	6.5	7
606	---	50	---	---	---	---
607	LWR 240	50	---	---	---	---
608	SUJ-50-7-5	50	2.6	7.2	7.7	10.5
609	---	50	3.0	8.9	9.4	12.1
610	---	50	1.8	4.6	5.6	7.8
612	---	50	3	6.5	7.5	10
613	---	50	1.3	3.3	4.4	5
614	---	50	3.2	9	9.5	12.2
615	AstroLab 32055	50	1.5	---	---	5.5
	LI235	50	1.45	4.06	4.85	5.97
616	---	75	0.81	5.15	---	7.9
617	MICOV COAX(DUPB205A)	50	1.45	3.9	4.5	5.15
618	MICOV COAX(DUPB311A)	50	2.24	6.3	7.25	7.85
619	RG 223/V	50	0.89	2.95	4.47	5.49
620	E3T3 1809A	---	---	---	---	---
621	---	50	1.5	4	5	6
622	---	50	1.3	3.5	4.5	5.2
623	---	50	2.26	5.9	6.5	7.4
624	---	50	1.6	3.8	4.8	5.5
625	LMR-600	50	4.47	11.56	12.45	14.99
626	RG-8	75	1	4.6	5.4	6.9
627	---	75	1.7	7.112	8.66	10.287
628	---	50	0.95	2.8	3.4	3.9
629	VOLEX	50	1.42	3.81	4.52	6.1
630	7116-50-01 (SUNNER CABLE)	50	1.4	3.78	4.7	5.7
631	7D-FB	50	2.6	7.3	8.2	9.8
632	10D-FB	50	3.5	10	11	13
633	AFFP	100	---	---	---	---
634	5D-FB	50	1.8	5	5.9	7.5
635	8D-FB	50	2.8	7.8	8.8	10.4
636	12D-FB	50	4.4	12.4	13.3	15.6
637	SFB-50-7	50	2.5	7.3	8.1	9.2

Cable Cross Reference

cable part number	size in inch	characteristic impedance Ω	diameter size Φ (mm)			
			Center conductor out diameter	out diameter of insulator	out diameter of shield	out diameter of jacket
638	---	100	1.3	2.7	3.3	Φ 4.2
639	Semflex LA290	50	---	---	---	---
640	Times SFT20F	50	1.26	3.8	4.67	5.12
642	---	50	1.6	5.1	5.8	7.2
643	LMR-195	50	0.94	2.79	3.53	4.95
644	LMR-200-50	50	1.12	2.95	3.66	4.95
645	LMR-200-75	75	0.7	2.95	3.66	4.95
646	LMR-240-75	75	0.9	4	4.52	6.1
647	LMR-400-75	75	1.6	7.4	8.13	10.3
648	LMR-600-75	75	2.1	11.56	12.45	14.99



QSMA - J B3

接线种类 (B3#半钢(柔)电缆, 见电缆代号表).
Cable Type: B3 (see cable code)

内导体接触形式 (J: 插针).
Inner Conductor Contact: Male (J)

主称代号 (QSMA型).
Connector Primary Type: QSMA

SMB - 75 K W H D

接线种类 (D: 微带).
Cable Type: Micro-stripe (D)

安装形式 (H: 焊接).
Mounting Type: Soldered (H)

结构形式 (W: 90度弯式).
Body Structure: Right Angle (W)

内导体接触形式 (K: 插孔).
Inner Conductor Contact: Female (K)

特性阻抗 (75Ω).
Characteristic Impedance: 75 Ω

主称代号 (SMB型).
Connector Primary Type: SMB

射频同轴转接器:

RF Coaxial Adaptors:

N / SMA - K J

SMA型端内导体接触形式 (J: 插针)
Inner Conductor Contact: SMA Type Male (J)

N型端内导体接触形式 (K: 插孔)
Inner Conductor Contact: N Type Female (K)

主称代号 (SMA型).
Connector Primary Type: SMA

主称代号 (N型).
Connector Primary Type: SMA

1. SMA Connectors



SMA系列是采用螺纹连接的一种体积较小的射频同轴连接器, 特性阻抗50Ω, 频率范围0~18GHz, 具有机械电气性能优越、可靠性高等优点。广泛应用于微波通讯、航天航海、武器系统、微波测量设备等领域。

SMA connector is a precision sub-minimal connector interface for coaxial cable with a screw type coupling mechanism. The connector has a 50 ohm impedance. It offers excellent electrical performance from DC to 18 GHz. It is often used for providing RF connectivity between cables, boards, and many microwave components including filters, attenuators, mixers, and oscillators. SMA and precision SMA-like connectors are by far the most popular, small, threaded coaxial connectors.

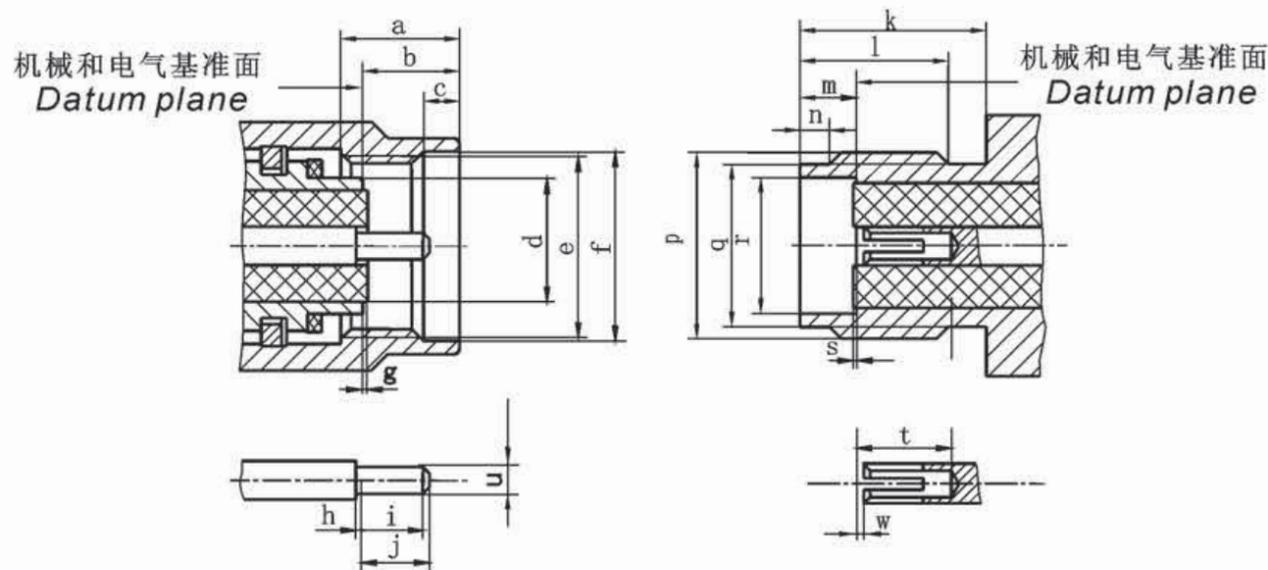
主要技术特性

KEY PERFORMANCE

温度范围 Temperature range		-65~+165℃	绝缘电阻 Insulation resistance		> 5000MΩ
特性阻抗 Characteristic Impedance		50 Ω	介质耐压 Dielectric Withstanding voltage		1000V
频率范围 Frequency range	配软电缆 With flexible cable	0~12.4GHz	接触电阻 Contact resistance	中心导体 Center conductor	< 0.003 Ω
	配半刚、半柔性电缆 With semi-rigid/flexible cable	0~18GHz		外导体 Outer conductor	< 0.002 Ω
电压驻波比 VSWR	配软电缆 With flexible cable	≤1.15+0.02F	寿命 Durability		500 Cycles
	配半刚、半柔性电缆 With semi-rigid/flexible cable	≤1.10+0.02F			

头部配合尺寸

INTERFACE MATING DIMENSIONS



Symbol	MIN(mm)	MAX(mm)	Symbol	MIN(mm)	MAX(mm)	Symbol	MIN(mm)	MAX(mm)
a	3.30	—	h	0	0.25	p	1/4-36UNS-2A	
b	—	3.43	i	1.27	—	q	Φ5.28	Φ5.49
c	0.38	1.14	j	—	2.54	r	Φ4.597	Φ4.670
d	—	Φ4.592	k	5.54	—	s	—	0.05
e	1/4-36UNS-2B		l	4.32	—	t	2.92	—
f	Φ6.35	—	m	1.88	1.98	u	Φ0.90	Φ0.94



SMA-KFD41



BNC/SMA-KFK



SMA-JB2/3



SMA-KF3/4/5



SMA-KFD57/64/77

SMA-KFD68B /83/85

安装开孔尺寸
Mounting hole

Type	L	L1	L2	d1	d2	D
SMA-KFD68B	15.2	3.2	2.5	φ0.7	φ2.1	φ2.2
SMA-KFD83	14.5	2.4	2.5	φ1.3	φ4.1	φ4.2
SMA-KFD85	27.4	13	5.0	φ1.3	φ4.1	φ4.2

SMA-KWFD1/7

安装开孔尺寸
Mounting hole

Type	L	L1
SMA-KWFD1	18.9	4
SMA-KWFD7	20.5	5.6

SMA-KFD145

安装开孔尺寸
Mounting hole

SMA-JWB2/3

电缆剥线尺寸
Cable stripping dimensions

Type	d	Cable code
SMA-JWB2	φ2.2	B2
SMA-JWB3	φ3.6	B3

SMA-KFB2a/3a

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	d	D	L	Cable code
SMA-KFB2a	φ2.2	φ3.5	12.7	B2
SMA-KFB3a	φ3.6	φ5	14.2	B3

SMA-KFB3b

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Cable code	B3
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SMA-KYB2/3/3A

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	d	L1	Cable code
SMA-KYB2	φ2.2	19	B2
SMA-KYB3	φ3.6	19	B3
SMA-KYB3A	φ3.6	15.9	

SMA-J3

电缆剥线尺寸
Cable stripping dimensions

Cable code	3
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SMA-KB2/3

电缆剥线尺寸
Cable stripping dimensions

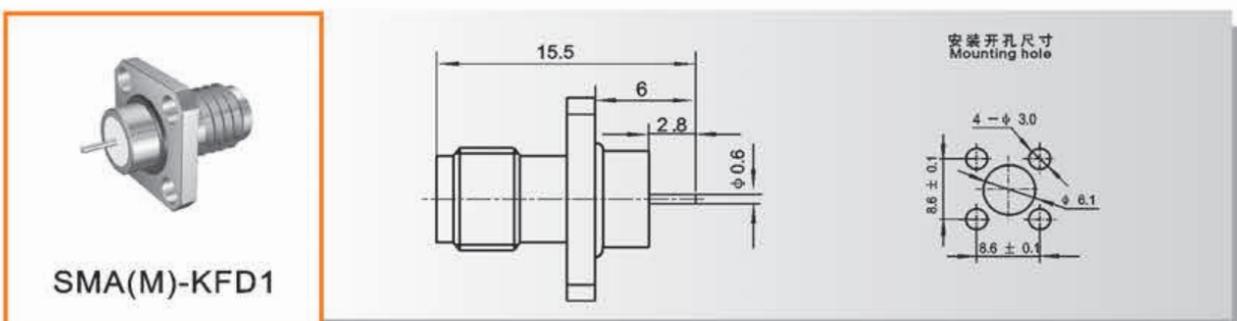
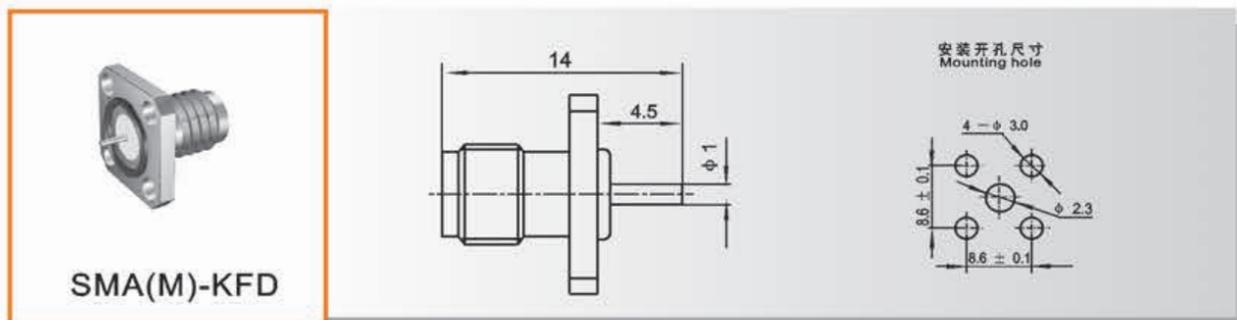
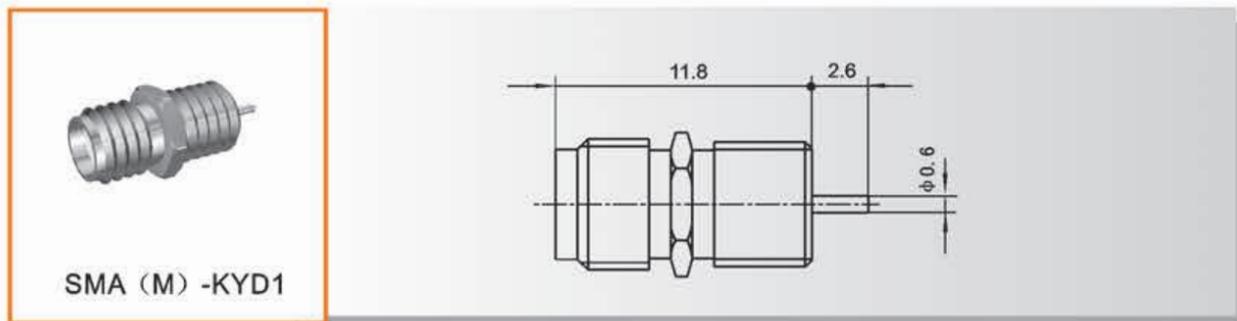
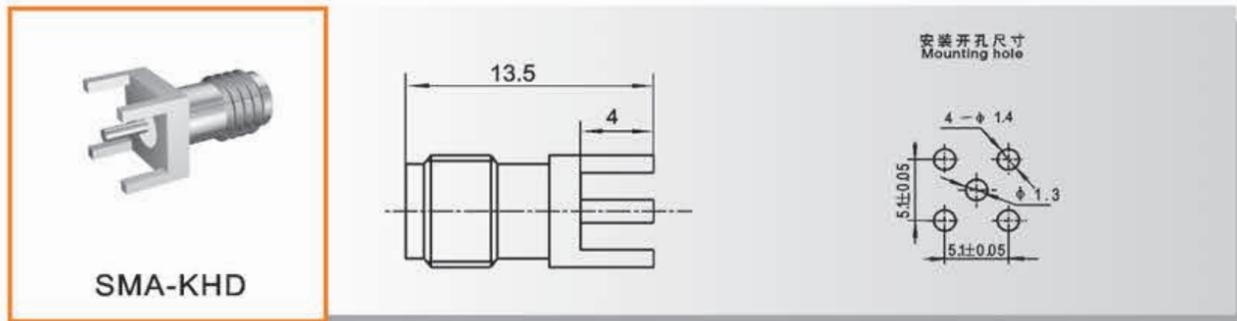
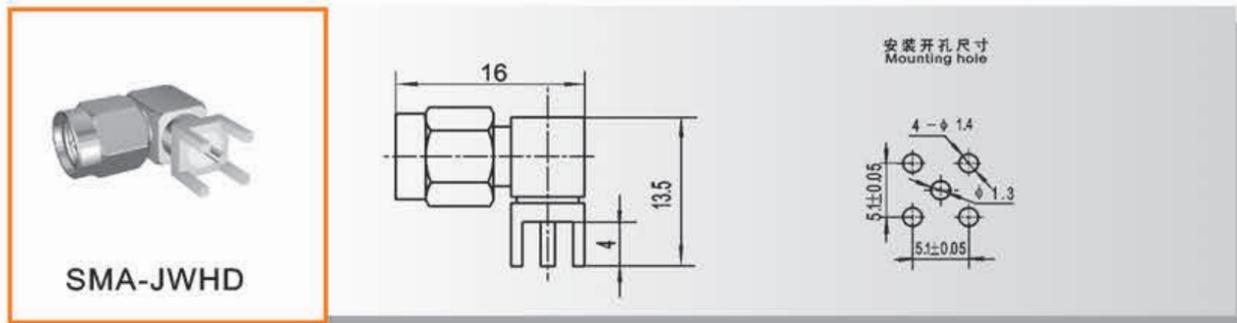
Type	d	Cable code
SMA-KB2	φ2.2	B2
SMA-KB3	φ3.6	B3

SMA-KFB2/3

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	d	D	L	Cable code
SMA-KFB2	φ2.2	φ3.5	12.7	B2
SMA-KFB3	φ3.6	φ5.0	14.2	B3



2. SSMA Connectors



SSMA系列射频同轴连接器，具有体积小、高精度、高可靠性、频率范围0~30 GHz、电压驻波比优越等特点，广泛应用于空间狭小的使用环境，可使用于柔性及半刚性电缆的连接，亦可焊接于印制电路板上。

SSMA connectors are micro miniature in size with high precision and high reliability, and are suitable where space is limited. The electrical characteristics allow for very low VSWR and have a theoretical capability to operate from DC to 30GHz. They are available for a variety of flexible and semi-rigid cables, and can be mounted directly to the printed circuit board, hand soldered, or crimped to cables.

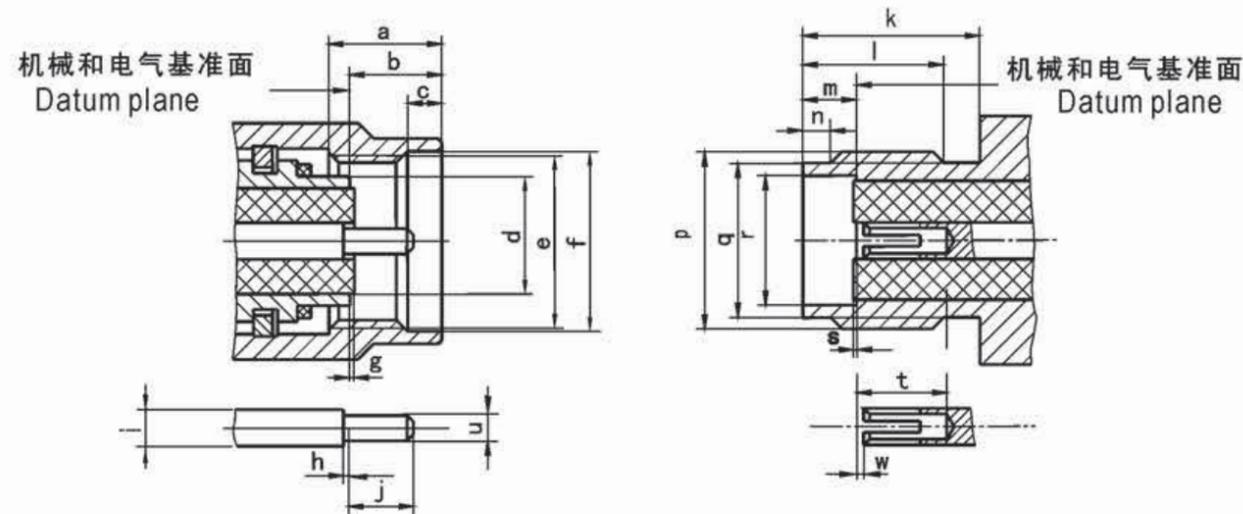
主要技术特性

KEY PERFORMANCE

温度范围 Temperature range	-55 ~ +155°C	绝缘电阻 Insulation resistance	≥5000MΩ	
特性阻抗 Characteristic Impedance	50Ω	介质耐压 Dielectric Withstanding voltage	750V	
频率范围 Frequency range	0~30GHz	接触电阻 Contact resistance	中心导体 Center conductor	≤0.006Ω
			外导体 Outer conductor	≤0.002Ω
电压驻波比 VSWR	≤1.07+0.01f	寿命 Durability	500 Cycles	

头部配合尺寸

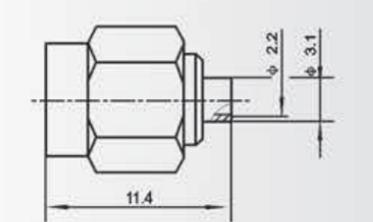
INTERFACE MATING DIMENSIONS



Symbol	MIN(mm)	MAX(mm)	Symbol	MIN(mm)	MAX(mm)	Symbol	MIN(mm)	MAX(mm)
a	2.54	3.43	h	0	0.25	P	10-36UNS-2A	
b	2.54	3.38	i	Φ0.85	Φ0.88	q	Φ3.89	Φ4.06
c	0.38	1.14	j	1.27	1.65	r	Φ3.23	Φ3.3
d	Φ3.15	Φ3.22	k	5.84	—	s	-0.13	0.05
e	10-36UNS-2B		l	4.83	5.33	t	2.92	—
f	Φ4.98	Φ5.13	m	1.91	1.96	u	Φ0.49	Φ0.52
g	-0.13	0.05	n	0.51	1.02	w	—	0.25

Type	L
SSMA-KFD1	2.4
SSMA-KFD2	3.2
SSMA-KFD3	4.8





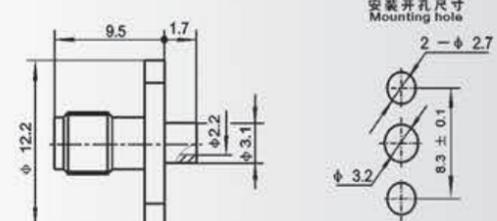
电缆剥线尺寸
Cable stripping dimensions



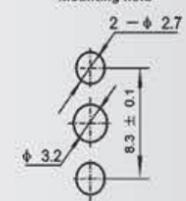
Cable code B2

SSMA-JB2

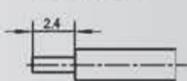




安装开孔尺寸
Mounting hole



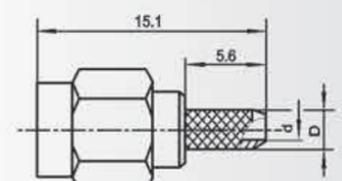
电缆剥线尺寸
Cable stripping dimensions



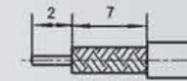
Cable code B2

SSMA-KFB2





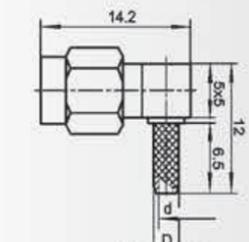
电缆剥线尺寸
Cable stripping dimensions



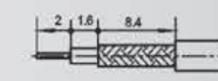
Type	d	D	Cable code
SSMA-J2	φ1	φ2	2
SSMA-J3	φ1.5	φ2.5	3

SSMA-J2/3





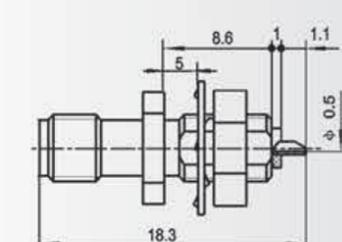
电缆剥线尺寸
Cable stripping dimensions



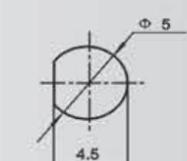
Type	d	D	Cable code
SSMA-JW2	φ1	φ2	2
SSMA-JW3	φ1.6	φ2.6	3

SSMA-JW 2/3





安装开孔尺寸
Mounting hole



SSMA-KYD

3. SMB Connectors



SMB系列是按MIL-C-39012标准研制生产的小型推入式射频同轴连接器，特性阻抗有50Ω和75Ω两种，频率范围0~4GHz，具有体积小、重量轻、使用方便、插拔快、电气性能优越等特点。

SMB connectors feature a quick connect/disconnect snap-on coupling and are available either in 50 ohm or 75 ohm impedances. It offers excellent electrical performance from DC to 4 GHz. This series of connectors conforms to MIL-C-39012. This version is smaller than SMA connectors. They are used for inter board or assembly connections within equipment.

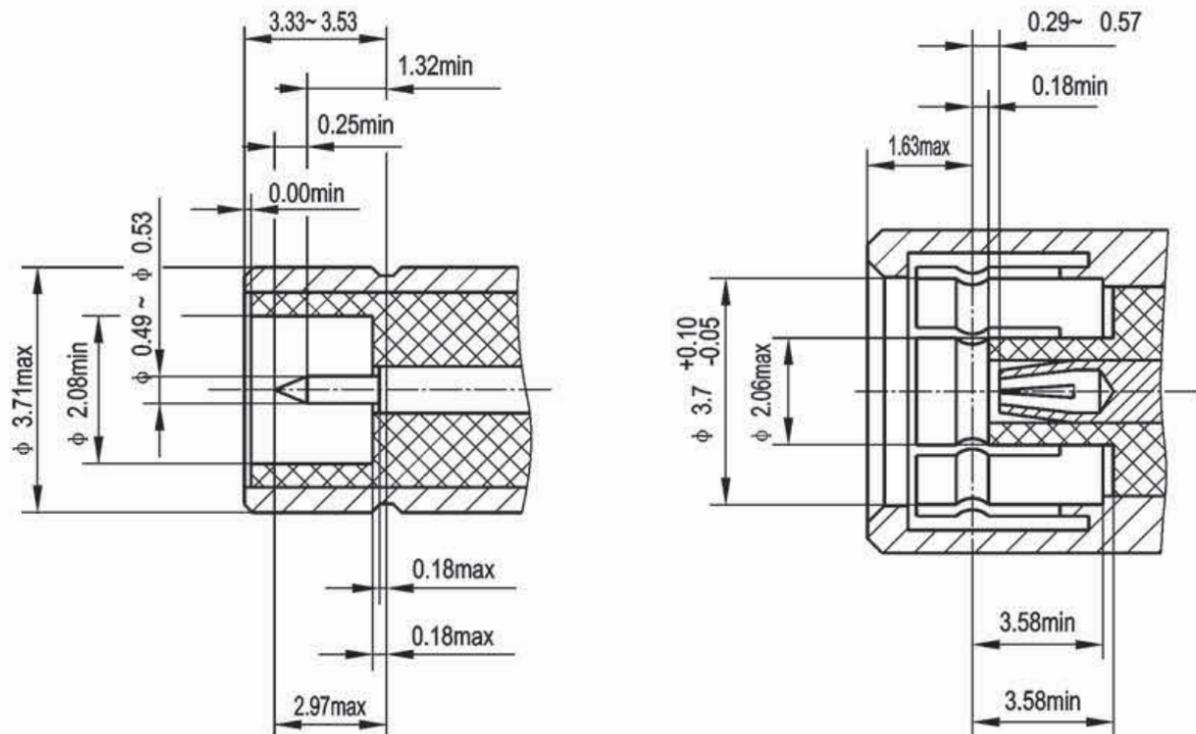
主要技术特性

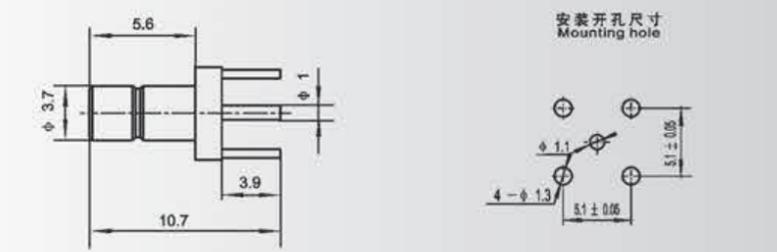
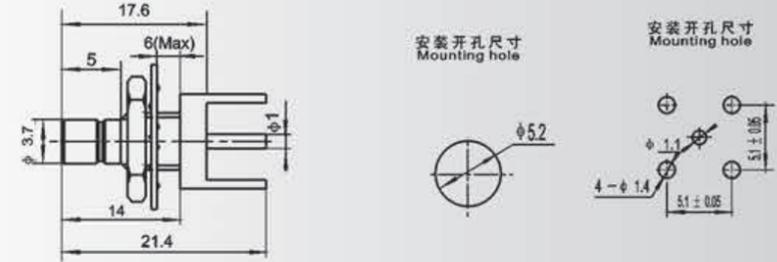
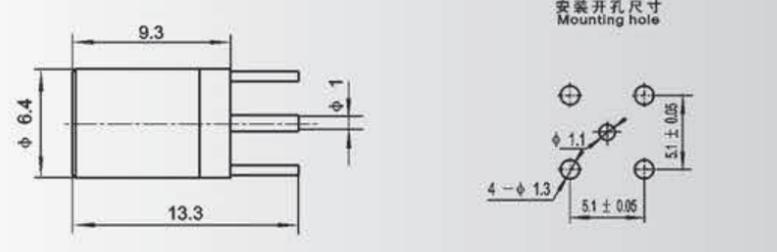
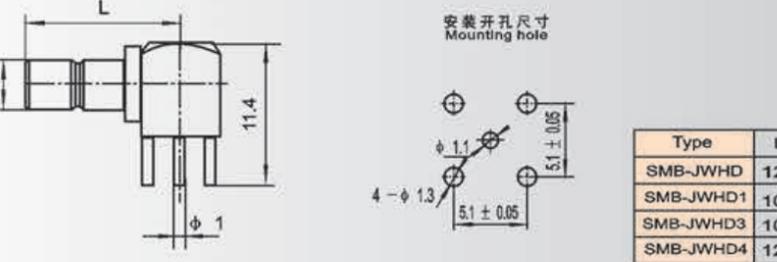
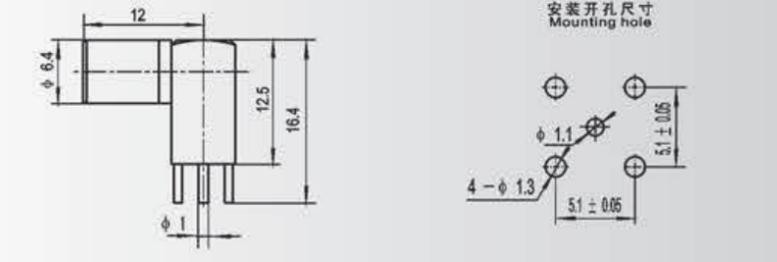
KEY PERFORMANCE

温度范围 Temperature range	-65 ~ +165°C	绝缘电阻 Insulation resistance	≥1000MΩ
特性阻抗 Characteristic Impedance	50 Ω	介质耐压 Dielectric Withstanding voltage	750V(rms)
频率范围 Frequency range	0 ~ 4GHz	工作电压 Voltage rating	250V(rms)
接触电阻 Contact resistance	中心导体 Center conductor	寿命 Durability	500 Cycles
	外导体 Outer conductor	电压驻波比 VSWR	≤1.34

头部配合尺寸

INTERFACE MATING DIMENSIONS



 <p>SMB-JHDA</p>											
 <p>SMB-JHD2</p>											
 <p>SMB-KHD</p>											
 <p>SMB-JWHD/D1/D3/D4</p>	 <table border="1" data-bbox="2719 1330 2905 1471"> <thead> <tr> <th>Type</th> <th>L</th> </tr> </thead> <tbody> <tr> <td>SMB-JWHD</td> <td>12.3</td> </tr> <tr> <td>SMB-JWHD1</td> <td>10.3</td> </tr> <tr> <td>SMB-JWHD3</td> <td>10.3</td> </tr> <tr> <td>SMB-JWHD4</td> <td>12.3</td> </tr> </tbody> </table>	Type	L	SMB-JWHD	12.3	SMB-JWHD1	10.3	SMB-JWHD3	10.3	SMB-JWHD4	12.3
Type	L										
SMB-JWHD	12.3										
SMB-JWHD1	10.3										
SMB-JWHD3	10.3										
SMB-JWHD4	12.3										
 <p>SMB-KWHD3</p>											

SMB-JWHD2

安装开孔尺寸
Mounting hole

SMB-KW2/3

电缆剥线尺寸
Cable stripping dimensions

Type	D	Cable code
SMB-KW2	φ 0.9	2
SMB-KW3	φ 1.6	3

SMB-KWB2/3

电缆剥线尺寸
Cable stripping dimensions

Type	D	Cable code
SMB-KWB2	φ 2.2	B2
SMB-KWB3	φ 3.6	B3

SMB-KY

安装开孔尺寸
Mounting hole

SMB-J2/3

电缆剥线尺寸
Cable stripping dimensions

Type	L	L1	D	Cable code
SMB-J2	21.8	19	φ 0.9	2
SMB-J3	22.6	19	φ 1.6	3

SMB-JF3

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	L	D	L1	Cable code
SMB-JF3	22.6	φ 1.6	19	3

SMB-K2/3

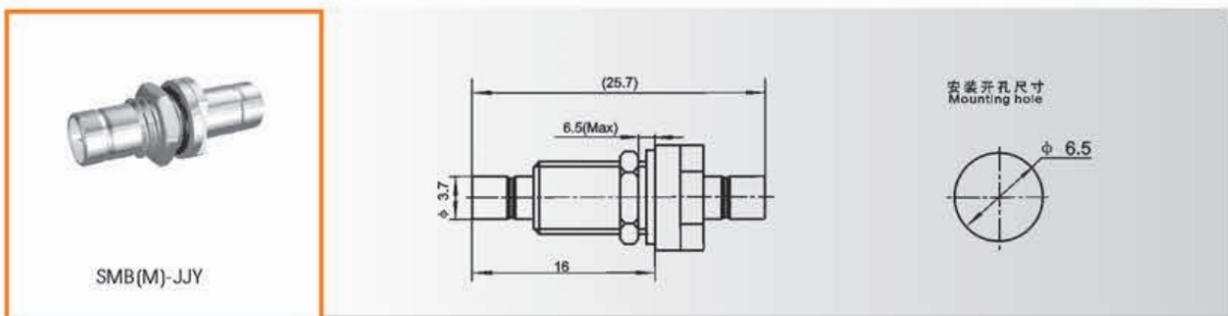
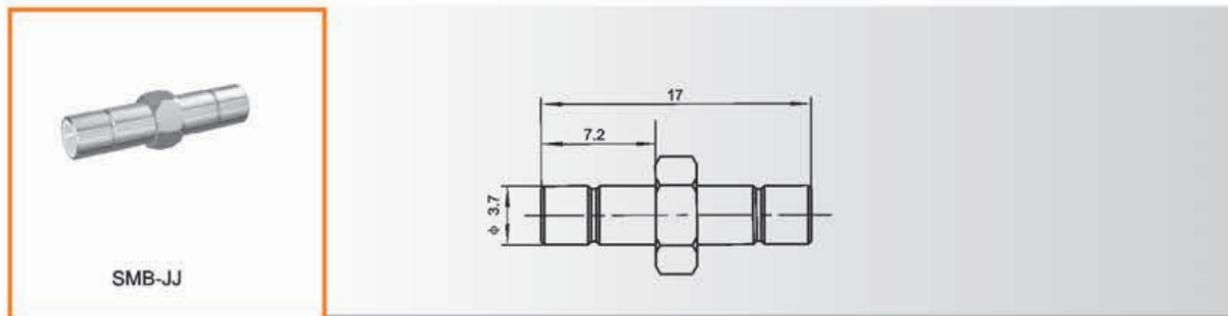
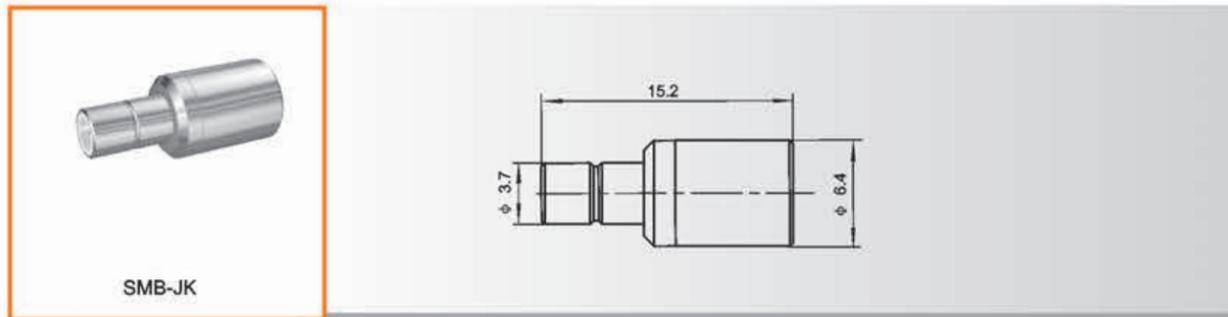
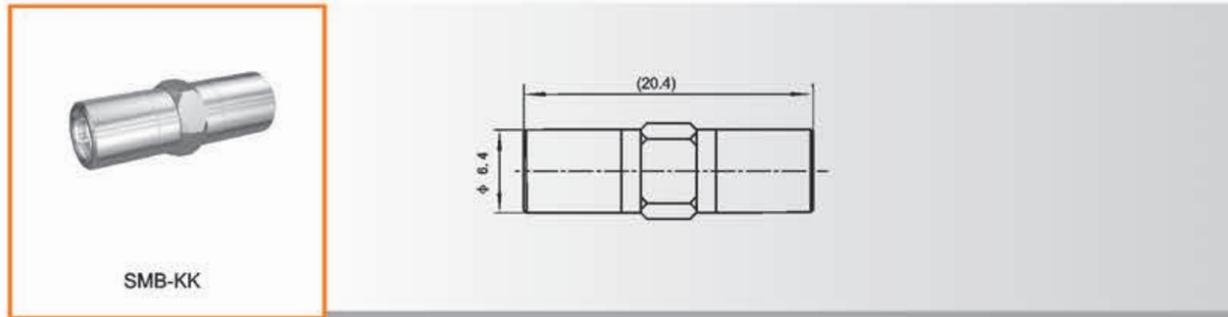
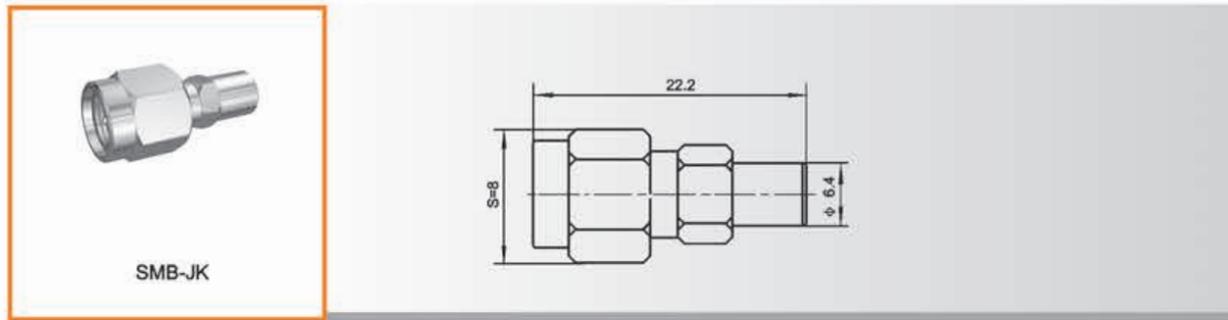
电缆剥线尺寸
Cable stripping dimensions

Type	L	D	L1	Cable code
SMB-K2	23.2	φ 0.9	18	2
SMB-K3	24.2	φ 1.6	19	3

SMA/SMB-KJ

SMA/SMB-KK

SMA/SMB-JJ



4. SMC Connectors



SMC系列射频同轴连接器是SMB螺纹变形、其内部结构尺寸与SMB相同，特性阻抗有50 Ω 和75 Ω，频率范围0~11GHz，具有体积小、重量轻、抗振性能好、电压驻波比优越等特点，能与国际同类产品互换，用于雷达、导航等无线电设备和仪器。

SMC connectors provide a good combination of small size and performance and are available in 50 ohm or 75 ohm impedances. It offers excellent electrical performance from DC to 11 GHz. This version is similar to the SMB connector, but it uses a threaded coupling interface rather than the snap-on connection. The threaded coupling mechanism permits a vibration-proof connection which is ideal for semi-permanent connections and for the use in mobile equipments with low VSWR requirements.

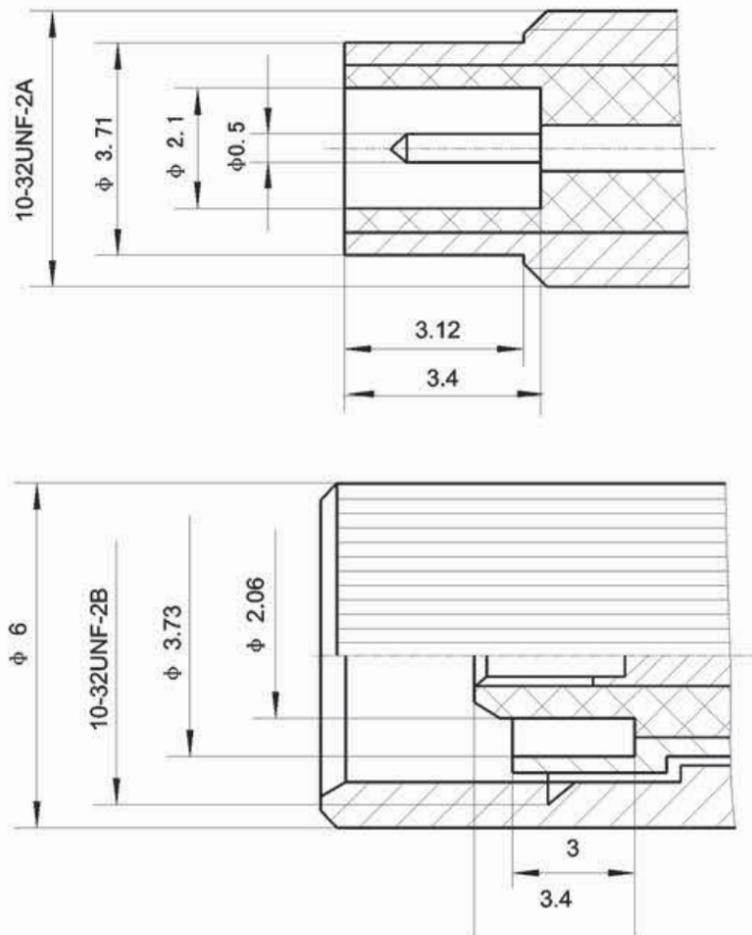
主要技术特性

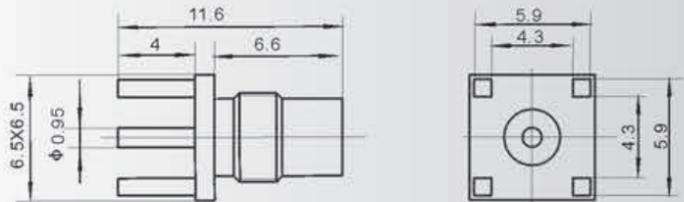
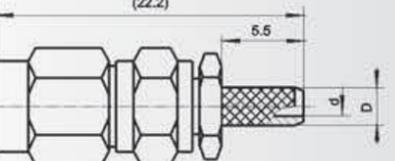
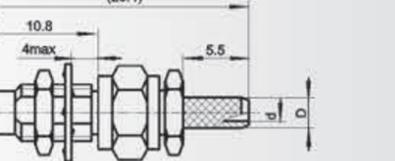
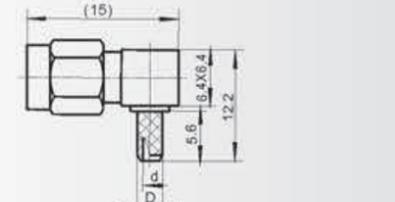
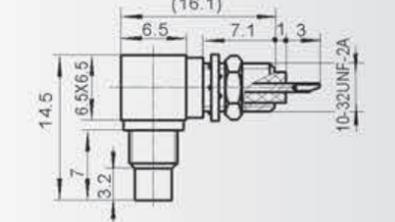
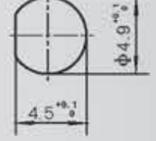
KEY PERFORMANCE

温度范围 Temperature range	-65~+165°C	介质耐压 Dielectric Withstanding voltage	750V
特性阻抗 Characteristic Impedance	50 Ω	工作电压 Voltage rating	250V
频率范围 Frequency range	0~11GHz	电压驻波比 VSWR	直式 ≤ 1.25 弯式 ≤ 1.35
绝缘电阻 Insulation resistance	≥ 1000M Ω	寿命 Durability	500 Cycles

头部配合尺寸

INTERFACE MATING DIMENSIONS



 <p>SMC-JHD</p>													
 <p>SMC-K2Y/3Y</p>	 <p>电缆剥线尺寸 Cable stripping dimensions</p> <table border="1"> <thead> <tr> <th>Type</th> <th>d</th> <th>D</th> <th>Cable code</th> </tr> </thead> <tbody> <tr> <td>SMC-K2Y</td> <td>φ1</td> <td>φ2</td> <td>2</td> </tr> <tr> <td>SMC-K3Y</td> <td>φ1.6</td> <td>φ2.6</td> <td>3</td> </tr> </tbody> </table>	Type	d	D	Cable code	SMC-K2Y	φ1	φ2	2	SMC-K3Y	φ1.6	φ2.6	3
Type	d	D	Cable code										
SMC-K2Y	φ1	φ2	2										
SMC-K3Y	φ1.6	φ2.6	3										
 <p>SMC-JY2Y/3Y</p>	 <p>电缆剥线尺寸 Cable stripping dimensions</p> <table border="1"> <thead> <tr> <th>Type</th> <th>d</th> <th>D</th> <th>Cable code</th> </tr> </thead> <tbody> <tr> <td>SMC-JY2Y</td> <td>φ1</td> <td>φ2</td> <td>2</td> </tr> <tr> <td>SMC-JY3Y</td> <td>φ1.6</td> <td>φ2.6</td> <td>3</td> </tr> </tbody> </table>	Type	d	D	Cable code	SMC-JY2Y	φ1	φ2	2	SMC-JY3Y	φ1.6	φ2.6	3
Type	d	D	Cable code										
SMC-JY2Y	φ1	φ2	2										
SMC-JY3Y	φ1.6	φ2.6	3										
 <p>SMC-KW2Y/3Y</p>	 <p>电缆剥线尺寸 Cable stripping dimensions</p> <table border="1"> <thead> <tr> <th>Type</th> <th>d</th> <th>D</th> <th>Cable code</th> </tr> </thead> <tbody> <tr> <td>SMC-KW2Y</td> <td>φ1</td> <td>φ2</td> <td>2</td> </tr> <tr> <td>SMC-KW3Y</td> <td>φ1.6</td> <td>φ2.6</td> <td>3</td> </tr> </tbody> </table>	Type	d	D	Cable code	SMC-KW2Y	φ1	φ2	2	SMC-KW3Y	φ1.6	φ2.6	3
Type	d	D	Cable code										
SMC-KW2Y	φ1	φ2	2										
SMC-KW3Y	φ1.6	φ2.6	3										
 <p>SMC-JWY</p>	 <p>安装开孔尺寸 Mounting hole</p> 												

5. BMA Connectors



BMA系列推入（盲插）式射频同轴连接器，体积与SMA相似，频率范围0~18GHz。优点是其固定插座在轴向和径向均有一定的浮动，可实现快速盲插更换，尤其适用机箱、机柜的盲插合。

BMA connectors are compact, high-frequency connectors with slide-on mating, approximately the same size as SMA connectors. It offers good electrical performance up to 18GHz. These connectors are designed for fixed as well as "floating" configurations with any axial or radial misalignment carried out by the outer contact of the female connector. They are ideal for use in rack-and-panel applications with appropriate float-mounted jacks.

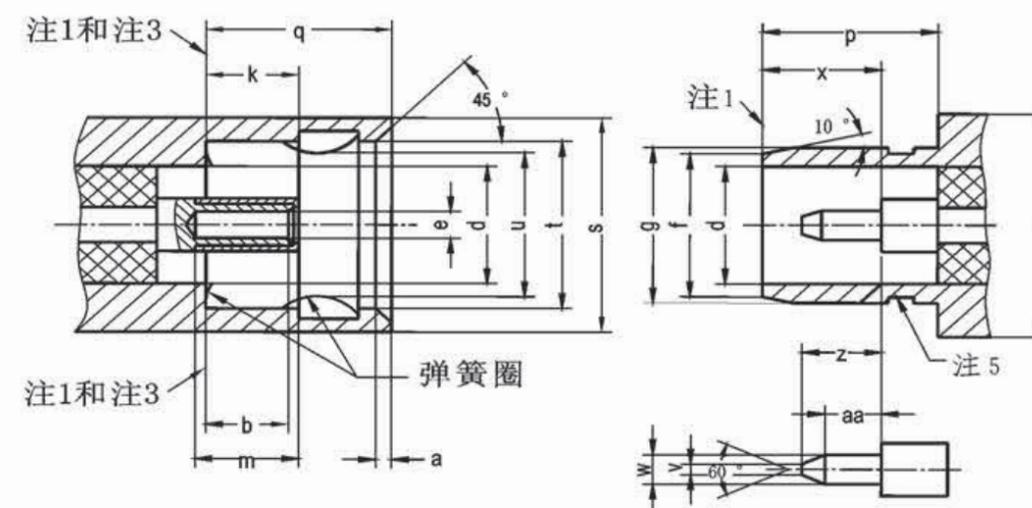
主要技术特性

KEY PERFORMANCE

温度范围 Temperature range	-65 ~ +125℃	介质耐压 Dielectric Withstanding voltage	1500V
特性阻抗 Characteristic Impedance	50Ω	电压驻波比 VSWR	≤1.10+ 0.005f
频率范围 Frequency range	0 ~ 18GHz		

头部配合尺寸

INTERFACE MATING DIMENSIONS



Symbol	MIN (mm)	MAX (mm)	注	Symbol	MIN (mm)	MAX (mm)	注
a	0.38	0.51	倒角	q	-	5.029	
b	2.845	-	4.6	s	Φ7.370	-	
d	Φ4.090(标称值)		直径	t	Φ5.720	-	直径
e	-	-	2直径	u	-	-	直径
f	Φ4.880(标称值)		直径	v	-	0.380	4直径
g	5.309	5.359	直径	w	Φ0.9017	Φ0.9398	直径
h	Φ7.620(标称值)		直径	x	3.252	3.429	直径
k	3.048	3.225	3	z	2.159	2.413	
m	2.921	-		aa	1.346	-	
p	5.055	-	-	-	-	-	

- 1 机械和电气基准面。
- 2 当孔径与直径为0.9017/0.9398mm (0.0355/0.0370in)的插针插合时，满足电气和机械性能要求。
- 3 到弹簧底部。
- 4 满足电气和机械性能要求。
- 5 密封件的设计及定位任意，但当界面间隙不大于0.38mm (0.015in)时，应保证能满足环境性能要求。
- 6 从基准面到电气和机械接触部位。

BMA-KYB2G/3G

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	A	B	Cable code
BMA-KFB2G	±2.3	±3.3	B2
BMA-KFB3G	±3.7	±4.6	B3

BMA-JFD/DG/D6G

安装开孔尺寸
Mounting hole

Type	L1	L2
BMA-JFD	3.2	2.0
BMA-JFDG	3.2	2.0
BMA-JFD6G	3.2	2.3

BMA-JFD1

安装开孔尺寸
Mounting hole

BMA-JFD2/D2G/D5B/D6

安装开孔尺寸
Mounting hole

Type	L1	L2	Type	L1	L2
BMA-JFD2	8.4	4.0	BMA-JFD9G	8.4	2.0
BMA-JFD2G	8.4	4.0	BMA-JFD9	8.4	2.0
BMA-JFD5G	8.0	2.3	BMA-JFD12	4.0	3.0
BMA-JFD6	5.0	2.0	BMA-JFD13	3.0	3.0

BMA-JFD3/D3G/D8G/D10

安装开孔尺寸
Mounting hole

Type	L1	L2
BMA-JFD3	8.4	4.0
BMA-JFD3G	8.4	4.0
BMA-JFD6	4.0	2.0
BMA-JFD8G	4.0	2.0
BMA-JFD10	8.4	3.0

BMA-JFD4

安装开孔尺寸
Mounting hole

BMA-JFD15G/16G

安装开孔尺寸
Mounting hole

Type	L1	L2
BMA-JFD15G	4.0	2.0
BMA-JFD16G	3.2	1.5

BMA-JFD11G/D17/D17G

安装开孔尺寸
Mounting hole

Type	L1	L2
BMA-JFD11G	5.0	2.0
BMA-JFD17	3.0	2.0
BMA-JFD17G	3.0	2.0

BMA-JFD14

安装开孔尺寸
Mounting hole

BMA-JWHD

安装开孔尺寸
Mounting hole

BMA-JY3Y/4Y/5YG

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	Cable code
BMA-JY3Y	3
BMA-JY4Y	4
BMA-JY5YG	5

BMA-KF3Y/4Y/5YG

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	Cable code
BMA-KF3Y	3
BMA-KF4Y	4
BMA-KF5YG	5

BMA-KY3Y

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	Cable code
BMA-KY3Y	3

BMA-JYB2/B3/B3G

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	A	B	Cable code
BMA-JYB2	φ2.3	φ3.3	82
BMA-JYB3	φ3.7	φ4.6	83
BMA-JYB3G			

BMA-KFB2/B3/B3G

安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	A	B	Cable code
BMA-KFB2	φ2.3	φ3.3	82
BMA-KFB3	φ3.7	φ4.6	83
BMA-KFB3G			

6. BNC Connectors



BNC系列射频同轴连接器，是采用卡口式连接。特性阻抗有50Ω和75Ω，频率范围0~4GHz，具有连接迅速、接触可靠、成本低等特点，广泛应用于音频、视频、信息网络或需快速连接和拆卸的场合。

BNC connectors have a bayonet-lock interface. It exists in 50 and 75 ohm versions. Typically, they are specified for use at frequencies up to 4 and 2 GHz, respectively. BNC connectors are the most prevalent in computer networks, audio, video, data processing, and telecommunications equipment because of their size and relatively low installed cost.

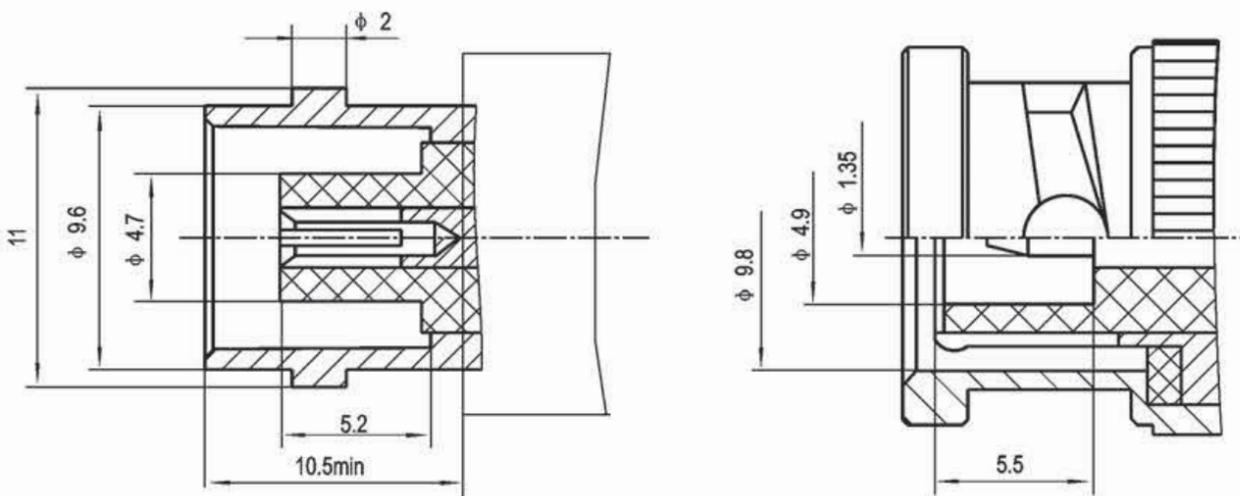
主要技术特性

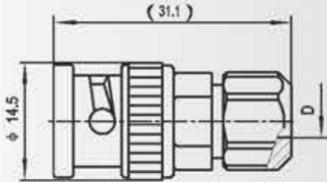
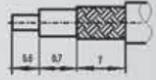
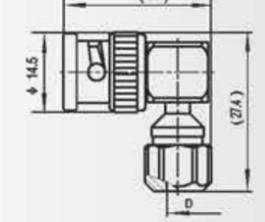
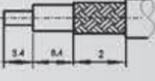
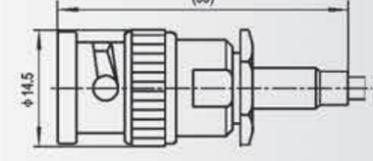
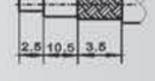
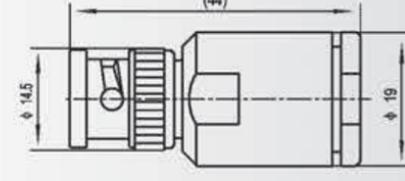
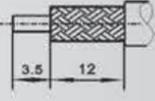
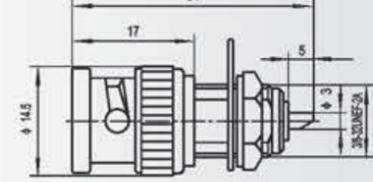
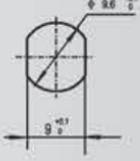
KEY PERFORMANCE

温度范围 Temperature range	-55~+165℃	绝缘电阻 Insulation resistance	≥5000MΩ
特性阻抗 Characteristic Impedance	50Ω	耐压 Dielectric Withstanding Voltage	1500V(rms)
频率范围 Frequency range	0~4GHz	电压驻波比 VSWR	≤1.30
工作电压 Voltage rating	500V(rms)	分离力 Disengage force	≥0.6N
接触电阻 Contact resistance	中心导体 Center conductor	≤0.002Ω	寿命 Durability
	外导体 Outer conductor	≤0.0002Ω	
		500 Cycles	

头部配合尺寸

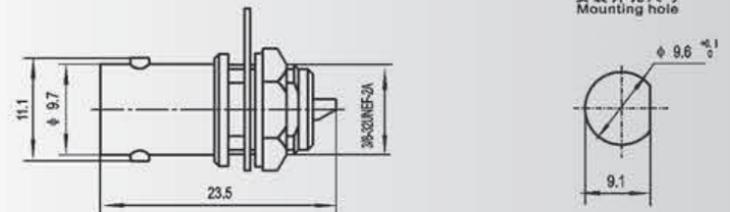
INTERFACE MATING DIMENSIONS



 <p>BNC-J3/J4/J5</p>	 <p>电缆剥线尺寸 Cable stripping dimensions</p>  <table border="1"> <thead> <tr> <th>Type</th> <th>D</th> <th>Cable code</th> </tr> </thead> <tbody> <tr> <td>BNC-J3</td> <td>φ 3.1</td> <td>3</td> </tr> <tr> <td>BNC-J4</td> <td>φ 4.2</td> <td>4</td> </tr> <tr> <td>BNC-J5</td> <td>φ 5.2</td> <td>5</td> </tr> </tbody> </table>	Type	D	Cable code	BNC-J3	φ 3.1	3	BNC-J4	φ 4.2	4	BNC-J5	φ 5.2	5
Type	D	Cable code											
BNC-J3	φ 3.1	3											
BNC-J4	φ 4.2	4											
BNC-J5	φ 5.2	5											
 <p>BNC-JW3/W4/W5</p>	 <p>电缆剥线尺寸 Cable stripping dimensions</p>  <table border="1"> <thead> <tr> <th>Type</th> <th>D</th> <th>Cable code</th> </tr> </thead> <tbody> <tr> <td>BNC-JW3</td> <td>φ 3.1</td> <td>3</td> </tr> <tr> <td>BNC-JW4</td> <td>φ 4.2</td> <td>4</td> </tr> <tr> <td>BNC-JW5</td> <td>φ 5.2</td> <td>5</td> </tr> </tbody> </table>	Type	D	Cable code	BNC-JW3	φ 3.1	3	BNC-JW4	φ 4.2	4	BNC-JW5	φ 5.2	5
Type	D	Cable code											
BNC-JW3	φ 3.1	3											
BNC-JW4	φ 4.2	4											
BNC-JW5	φ 5.2	5											
 <p>BNC-J2Y/J3Y</p>	 <p>电缆剥线尺寸 Cable stripping dimensions</p>  <table border="1"> <thead> <tr> <th>Type</th> <th>Cable code</th> </tr> </thead> <tbody> <tr> <td>BNC-J2Y</td> <td>2</td> </tr> <tr> <td>BNC-J3Y</td> <td>3</td> </tr> </tbody> </table>	Type	Cable code	BNC-J2Y	2	BNC-J3Y	3						
Type	Cable code												
BNC-J2Y	2												
BNC-J3Y	3												
 <p>BNC-J8</p>	 <p>电缆剥线尺寸 Cable stripping dimensions</p>  <table border="1"> <thead> <tr> <th>Cable code</th> </tr> </thead> <tbody> <tr> <td>8</td> </tr> </tbody> </table>	Cable code	8										
Cable code													
8													
 <p>BNC-50JY</p>	 <p>安装开孔尺寸 Mounting hole</p> 												



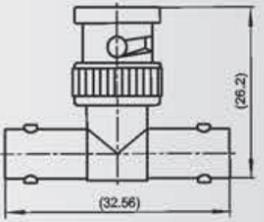
BNC-50KY



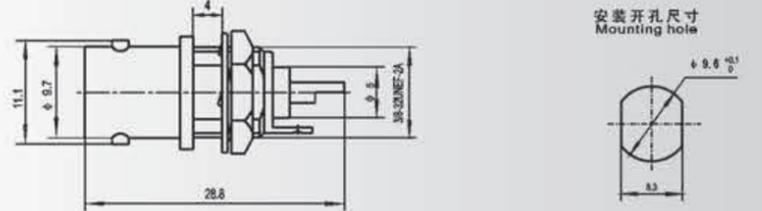
安装开孔尺寸
Mounting hole



BNC-50KJK



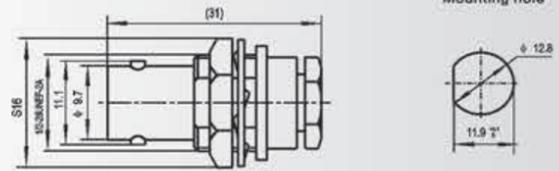

BNC-KYA



安装开孔尺寸
Mounting hole



BNC-KY4/Y5



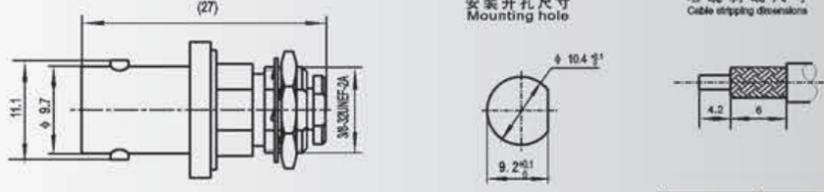
安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	Cable code
BNC-KY4	4
BNC-KY5	5



BNC(S)-KY3



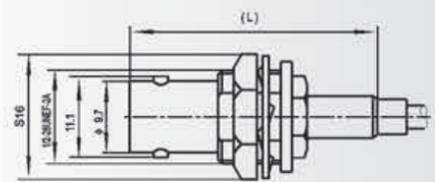
安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	Cable code
BNC(S)-KY3	3



BNC-KY2Y/3Y/4Y/5Y



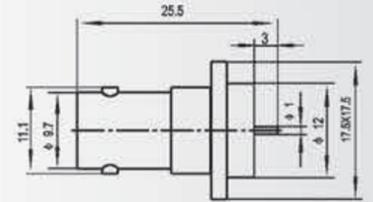
安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimensions

Type	L1	#	D	φ	Cable code
BNC-KY2Y	20	2	3.4	11	2.0
BNC-KY3Y	30	3	2.9	11	2.0
BNC-KY4Y	40	4	2.9	11	2.0
BNC-KY5Y	50	5	2.9	11	2.0



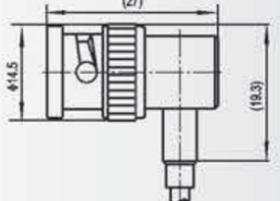
BNC-50KFD



安装开孔尺寸
Mounting hole



BNC-JW3Y

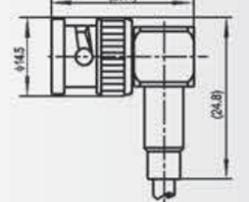


电缆剥线尺寸
Cable stripping dimensions

Type	Cable code
BNC-JW3Y	3



BNC-JW4Y 等

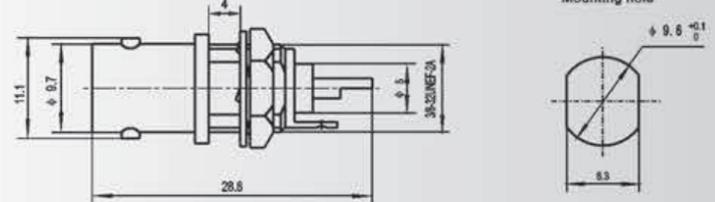


电缆剥线尺寸
Cable stripping dimensions

Type	Cable code
BNC-JW4Y	4
BNC-JW5Y	5

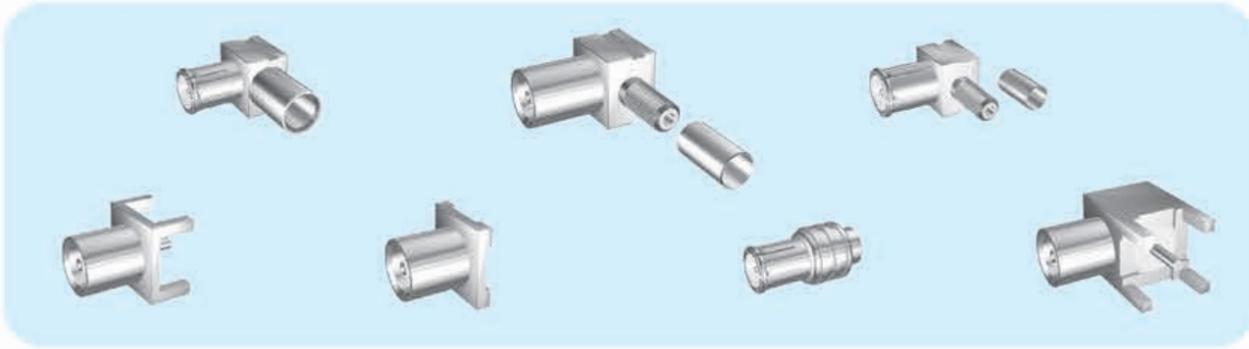


BNC-KYA



安装开孔尺寸
Mounting hole

7. MCX Connectors



MCX系列是小型推入式射频同轴连接器，其基本功能与SMB类同，但体积比SMB小三分之一，特性阻抗50Ω，使用频率0~6GHz。广泛应用于对安装体积有特殊要求的领域。

MCX connectors use a snap-on interface and usually have a 50 ohm impedance. It offers broadband capability from DC to 6 GHz. They have the same inner contact and insulator dimensions as the SMB connector but are 30% smaller. Miniature snap-on connectors which offer an excellent blend of size, weight, durability, and performance for applications such as GPS, wireless communication, testing, and measurement.

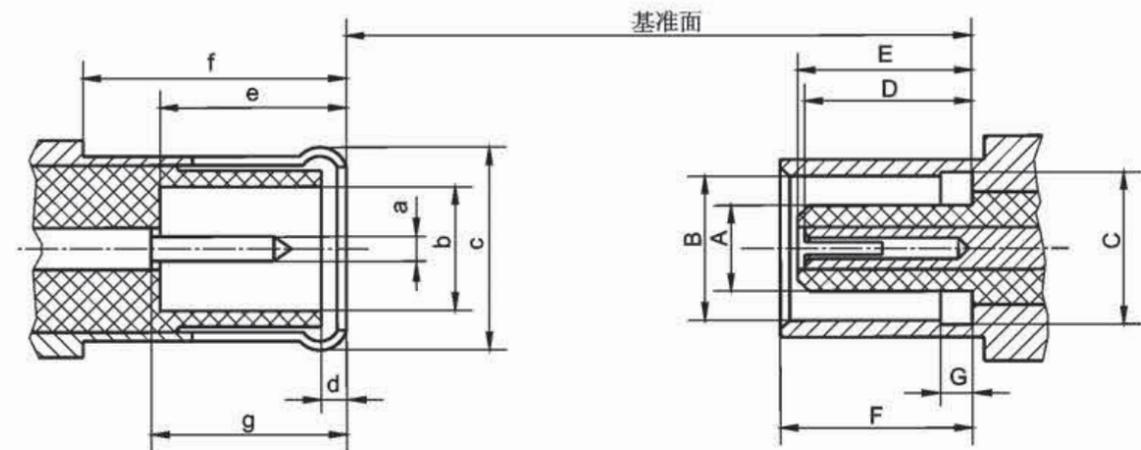
主要技术特性

KEY PERFORMANCE

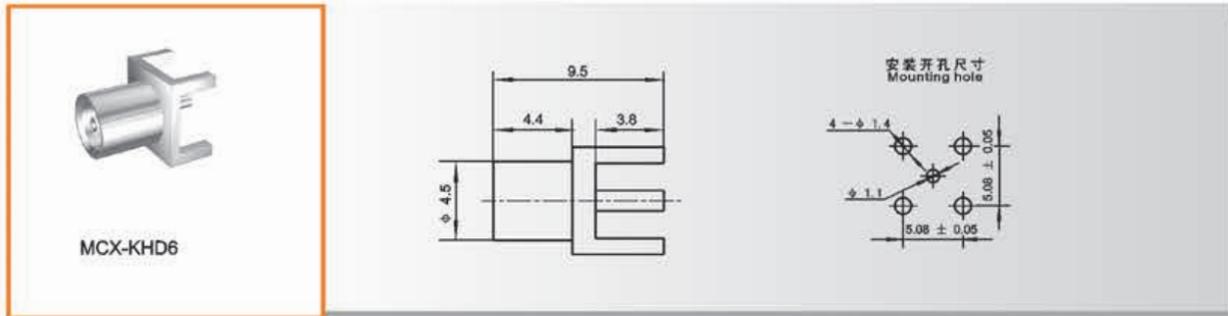
温度范围 Temperature range	-65 ~ +155℃	绝缘电阻 Insulation resistance	≥1000MΩ
特性阻抗 Characteristic Impedance	50 Ω	介质耐压 Dielectric Withstanding voltage	750V(rms)
频率范围 Frequency range	0 ~ 6GHz	电压驻波比 VSWR	≤1.20
工作电压 Voltage rating	250V(rms)	插入损耗 Insertion loss	0.1dB at 1GHz
接触电阻 Contact resistance	中心导体 Center conductor	≤0.005 Ω	寿命 Durability
	外导体 Outer conductor	≤0.0025 Ω	
		500 Cycles	

头部配合尺寸

INTERFACE MATING DIMENSIONS



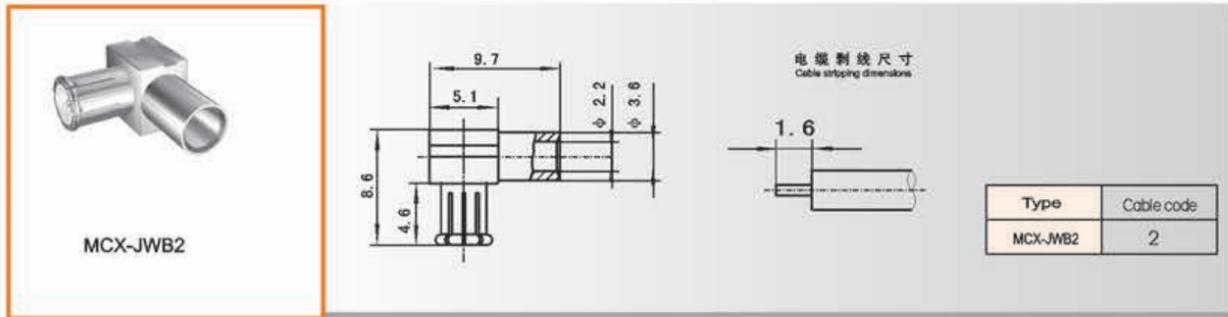
PLUG(mm)			JACK(mm)		
Symbol	MIN	MAX	Symbol	MIN	MAX
a	φ 0.48	φ 0.53	A	φ 1.80	φ 1.97
b	φ 2.00	φ 2.07	B	φ 3.43	φ 3.48
c	φ 3.66	φ 3.76	C	φ 3.61	φ 3.75
d	0.00	0.30	D	2.31	2.79
e	2.81	3.20	E	2.61	2.79
f	4.15	—	F	4.00	4.12
g	2.81	3.20	G	0.75	0.85



MCX-KHD6

安装开孔尺寸
Mounting hole

9.5
4.4
3.8
φ 4.5
4-φ 1.4
φ 1.1
5.08 ± 0.05

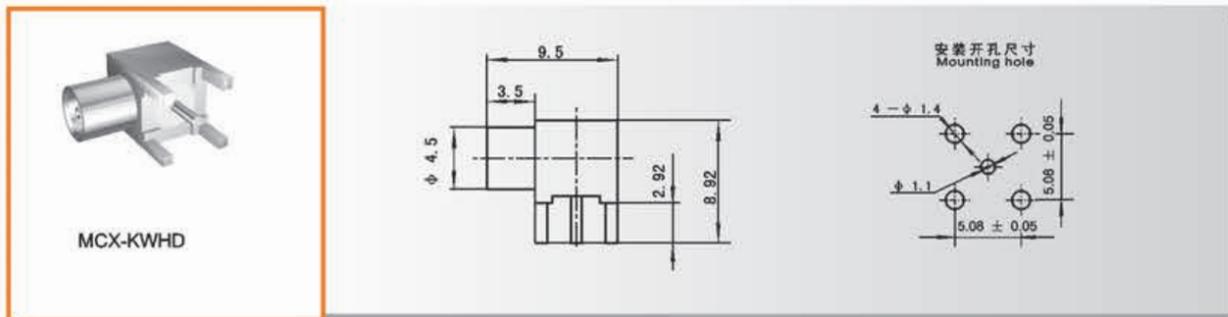


MCX-JWB2

电缆剥线尺寸
Cable stripping dimensions

9.7
5.1
2.2
3.6
8.6
4.6
φ 2.2
φ 3.6
1.6

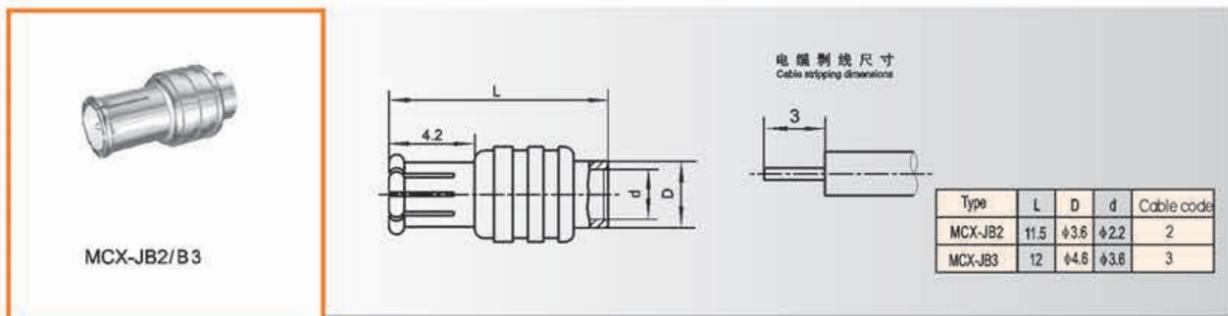
Type	Cable code
MCX-JWB2	2



MCX-KWHD

安装开孔尺寸
Mounting hole

9.5
3.5
φ 4.5
2.92
8.92
4-φ 1.4
φ 1.1
5.08 ± 0.05

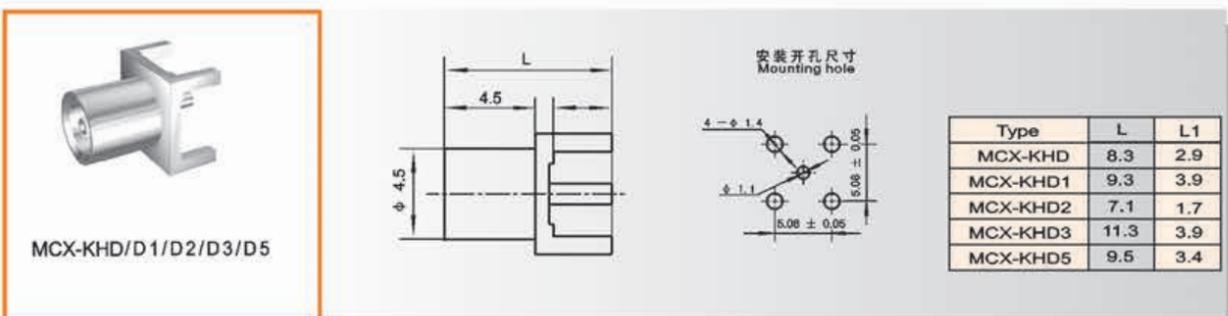


MCX-JB2/B3

电缆剥线尺寸
Cable stripping dimensions

L
4.2
φ
D
3

Type	L	D	d	Cable code
MCX-JB2	11.5	±3.6	±2.2	2
MCX-JB3	12	±4.6	±3.6	3

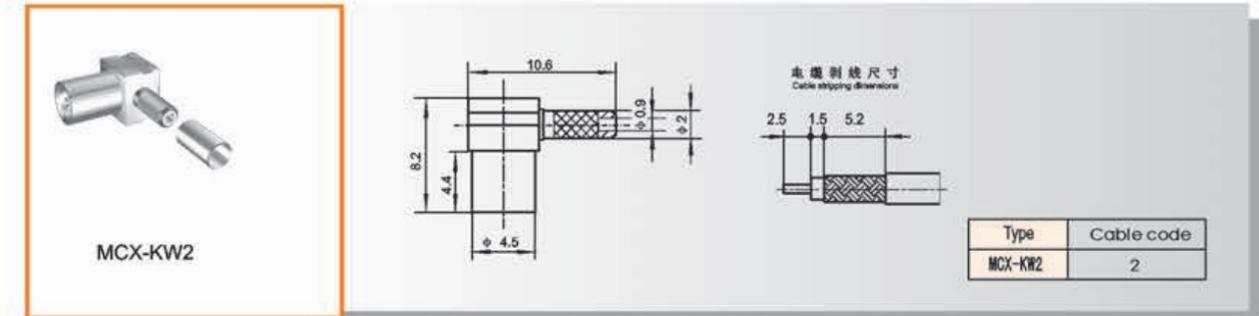


MCX-KHD/D1/D2/D3/D5

安装开孔尺寸
Mounting hole

L
4.5
φ 4.5
4-φ 1.4
φ 1.1
5.08 ± 0.05

Type	L	L1
MCX-KHD	8.3	2.9
MCX-KHD1	9.3	3.9
MCX-KHD2	7.1	1.7
MCX-KHD3	11.3	3.9
MCX-KHD5	9.5	3.4

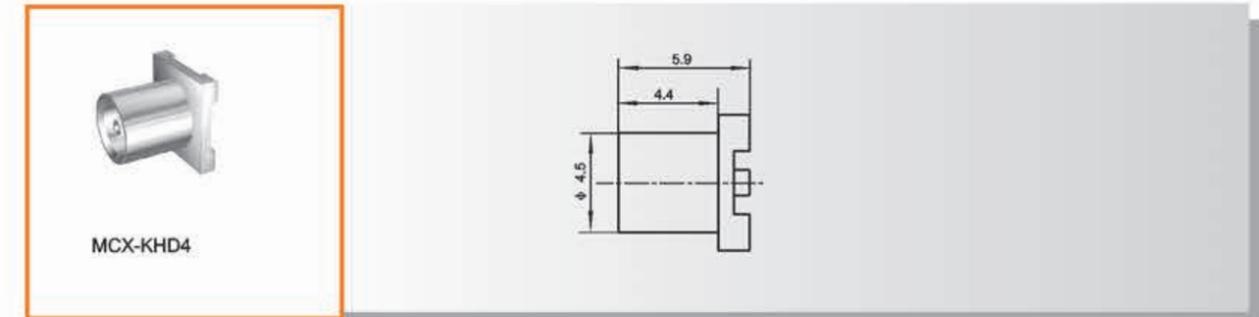


MCX-KW2

电缆剥线尺寸
Cable stripping dimensions

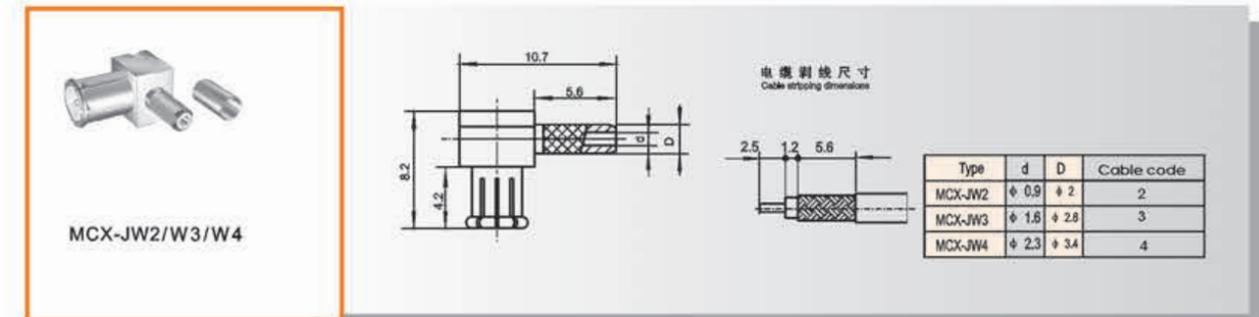
10.6
8.2
4.4
φ 4.5
φ 0.9
2
2.5
1.5
5.2

Type	Cable code
MCX-KW2	2



MCX-KHD4

5.9
4.4
φ 4.5



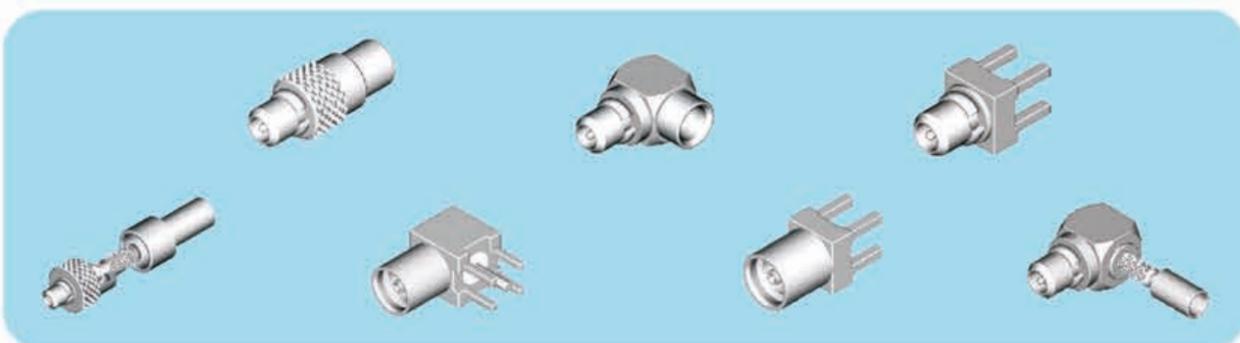
MCX-JW2/W3/W4

电缆剥线尺寸
Cable stripping dimensions

10.7
8.2
4.2
5.6
φ
D
2.5
1.2
5.6

Type	d	D	Cable code
MCX-JW2	φ 0.9	± 2	2
MCX-JW3	φ 1.5	± 2.9	3
MCX-JW4	φ 2.3	± 3.4	4

8. MMCX Connectors



MMCX系列是一种推入自锁式超小型射频同轴连接器，特性阻抗50Ω，频率范围0~6GHz，特点是体积小、接触可靠、插拔快捷方便，适用于安装空间狭小的场合。

MMCX connectors are micro-miniature connectors with a lock-snap mechanism allowing for 360 degrees rotation and usually have a 50 ohm impedance. MMCX connectors are designed for frequency ranges from DC up to 6 GHz and for applications where smallest dimensions have to be achieved. It is therefore ideal for applications where board height is limited, including applications where boards may be stacked. As such it is being widely used in many cellular telecommunications and wireless LAN applications.

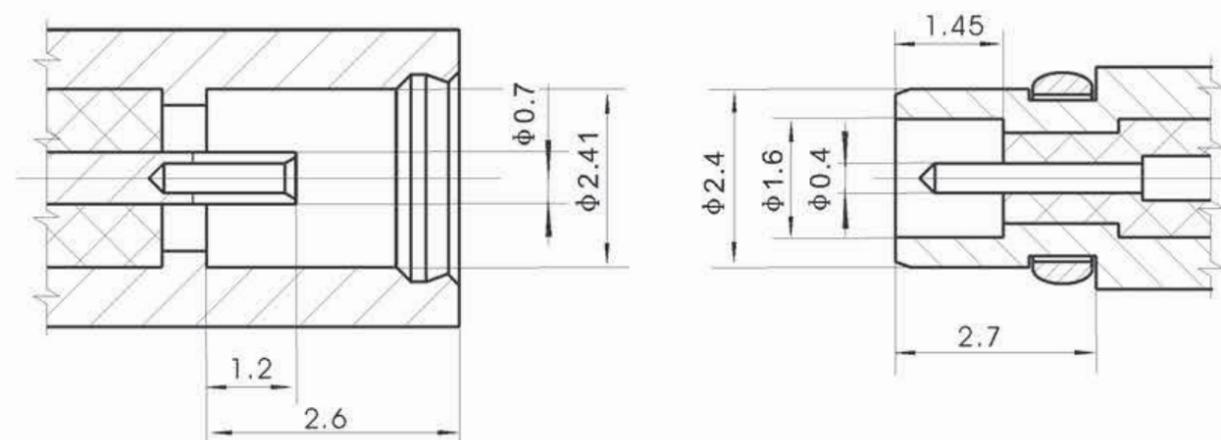
主要技术特性

KEY PERFORMANCE

特性阻抗 Characteristic Impedance	50 Ω	绝缘电阻 Insulation resistance	≥ 500 MΩ
频率范围 Frequency range	0 ~ 6 GHz	介质耐压 Dielectric Withstanding voltage	500 V
接触电阻 Contact resistance	中心导体 Center conductor	电压驻波比 VSWR	≤ 1.25
	外导体 Outer conductor	寿命 Durability	500 Cycles

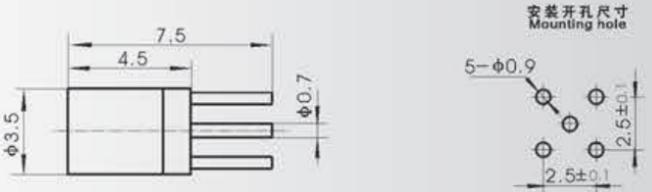
头部配合尺寸

INTERFACE MATING DIMENSIONS





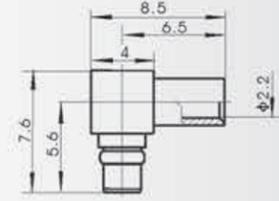
MMCX-KHD



安装开孔尺寸
Mounting hole



MMCX-JWB2



Cable code	B2
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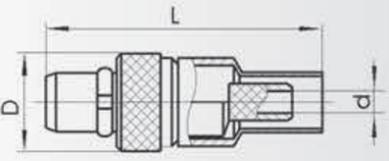
MMCX-KWHD



安装开孔尺寸
Mounting hole



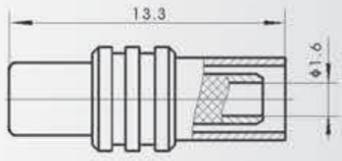
MMCX-J2/3



Type	L	D	d	Cable code
MMCX-J2	11.8	φ3.5	φ0.9	2
MMCX-J3	18.3	φ6	φ1.6	3



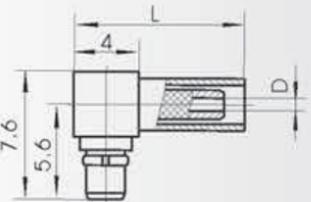
MMCX-K3



Cable code	3
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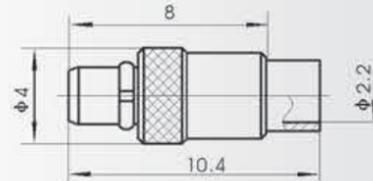
MMCX-JW2/3



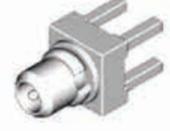
Type	L	D	Cable code
MMCX-JW2	10.5	φ0.9	2
MMCX-JW3	11.6	φ1.6	3



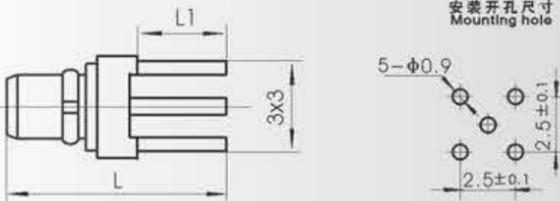
MMCX-JB2



Cable code	B2
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MMCX-JHD



安装开孔尺寸
Mounting hole

Type	L	L1
MMCX-JHD	7.7	2.9
MMCX-JHD1	8.7	3.9

9.N Connectors



N系列是按照MIL-C-39012标准研制生产的螺纹连接机构的中小功率射频同轴连接器，阻抗特性有50Ω和75Ω，频率范围0~11GHz，具有抗振性强、可靠性高、机械电气性能优越等特点，广泛应用于雷达、广播、通讯等无线电设备。

N connectors have a threaded coupling interface to ensure that it mates correctly. It is available in either 50 ohm or 75 ohm versions. These two versions have subtle mechanical differences that do not allow the two types to mate. This series of connectors follows the MIL-C-39012. The standard versions are specified for operation up to 11 GHz. The connectors are able to withstand relatively high powers when compared to the BNC or TNC connectors. They are used for many radio frequency applications including broadcast and communication equipments.

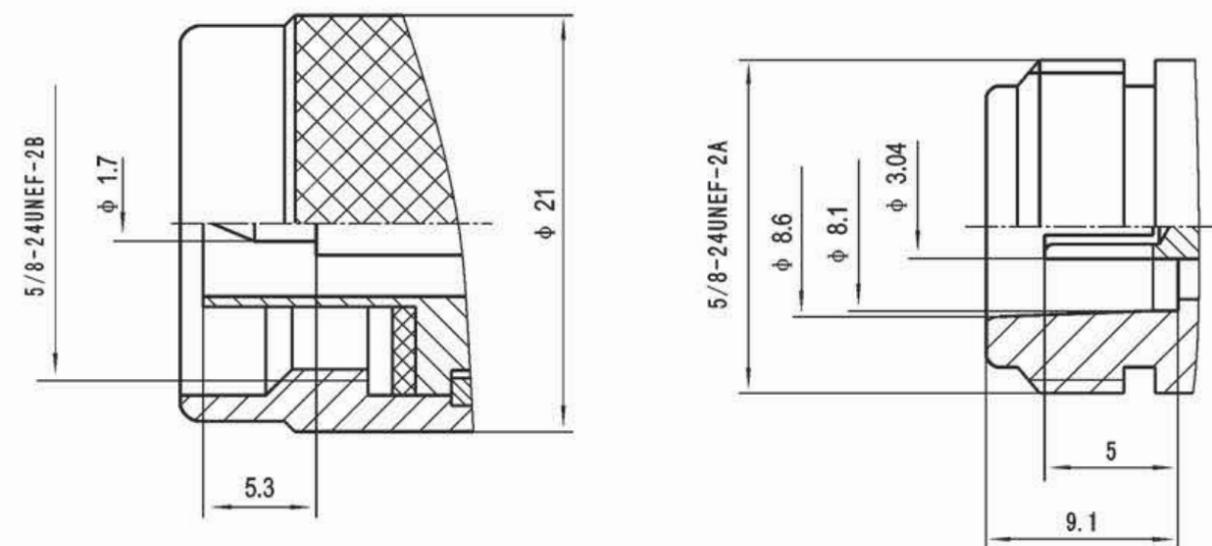
主要技术特性

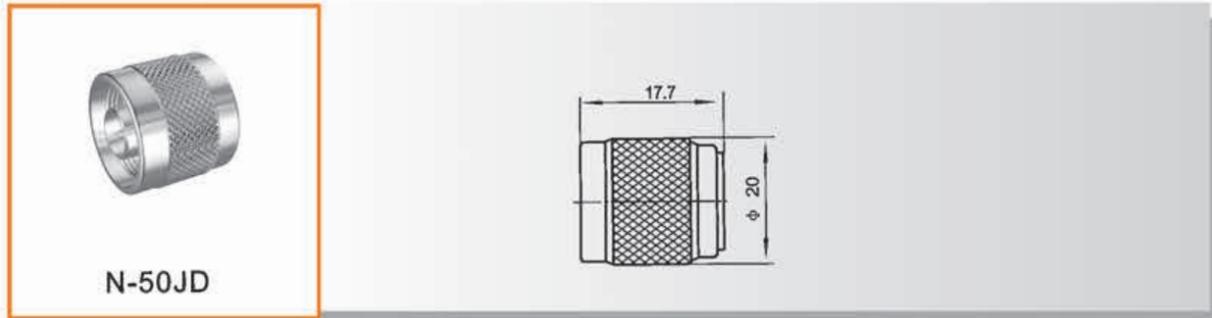
KEY PERFORMANCE

温度范围 Temperature range	-65 ~ +125℃	绝缘电阻 Insulation resistance	≥5000MΩ
特性阻抗 Characteristic Impedance	50Ω	介质耐压 Dielectric Withstanding voltage	1500V
频率范围 Frequency range	0 ~ 11GHz	插入力 Insertion force	≤8.9N
工作电压 Voltage rating	1000V	拔出力 Withdrawal force	≥0.55N
接触电阻 Contact resistance	中心导体 Center conductor	电压驻波比 VSWR	≤1.30
	外导体 Outer conductor	寿命 Durability	500 Cycles

头部配合尺寸

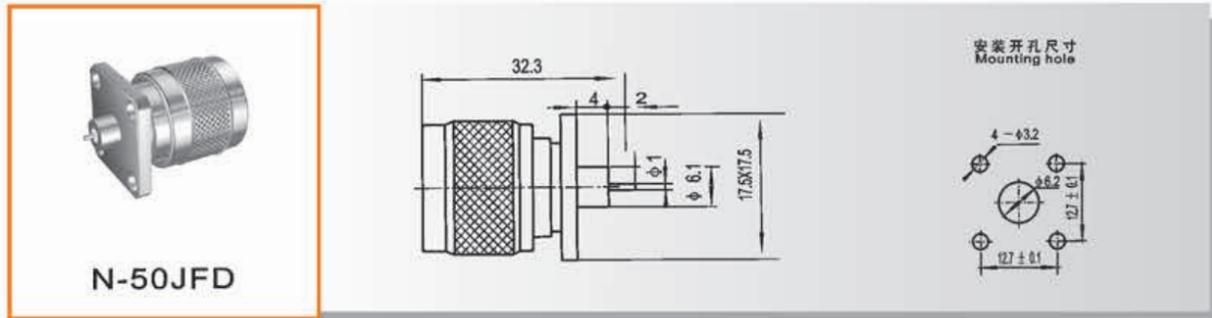
INTERFACE MATING DIMENSIONS





N-50JD

Dimensions: 17.7, $\phi 20$

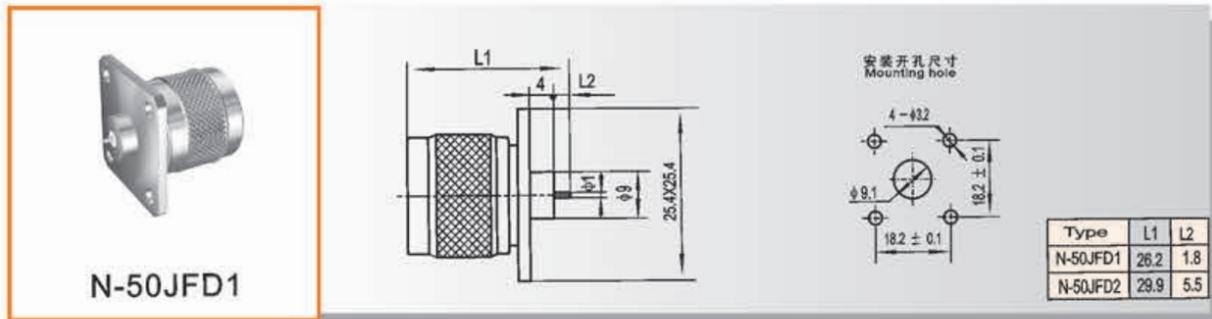


N-50JFD

Dimensions: 32.3, 4, 2, $\phi 1$, $\phi 6.1$, 17.5X17.5

安装开孔尺寸 Mounting hole

4- $\phi 3.2$, $\phi 6.2 \pm 0.1$, 127 ± 0.1



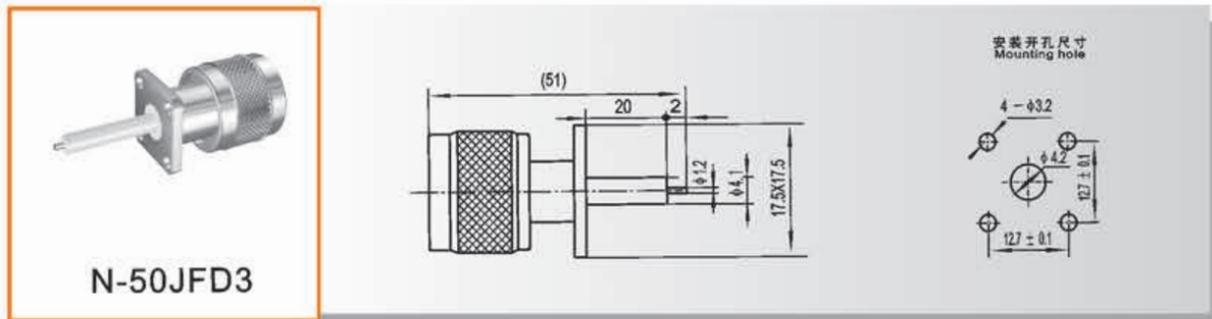
N-50JFD1

Dimensions: L1, 4, L2, $\phi 1$, $\phi 9$, 25.4X25.4

安装开孔尺寸 Mounting hole

4- $\phi 3.2$, $\phi 9.1$, 18.2 ± 0.1

Type	L1	L2
N-50JFD1	26.2	1.8
N-50JFD2	29.9	5.5

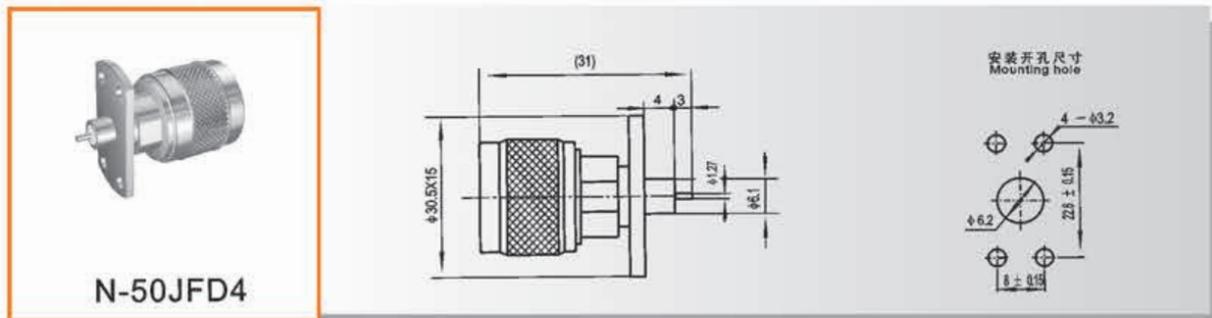


N-50JFD3

Dimensions: (51), 20, 2, $\phi 1.2$, $\phi 4.1$, 17.5X17.5

安装开孔尺寸 Mounting hole

4- $\phi 3.2$, $\phi 4.2 \pm 0.1$, 127 ± 0.1

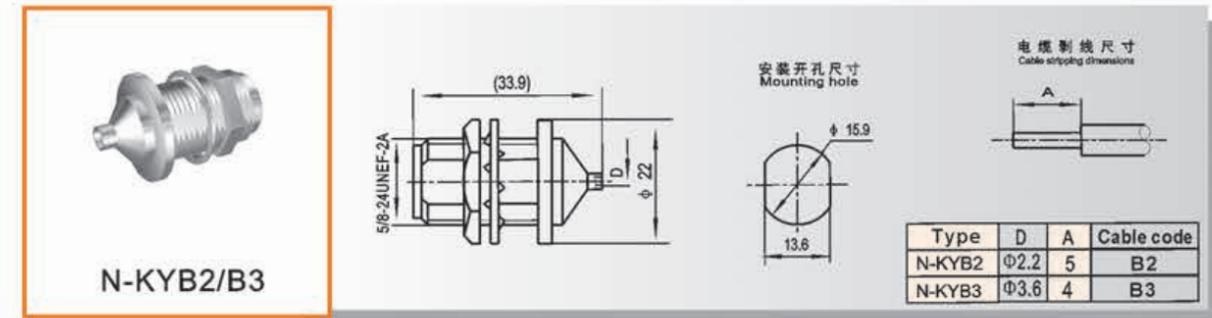


N-50JFD4

Dimensions: (31), 4, 3, $\phi 1.27$, $\phi 6.1$, $\phi 30.5 \times 15$

安装开孔尺寸 Mounting hole

4- $\phi 3.2$, $\phi 6.2$, 22.5 ± 0.15 , 127 ± 0.1 , 6 ± 0.15



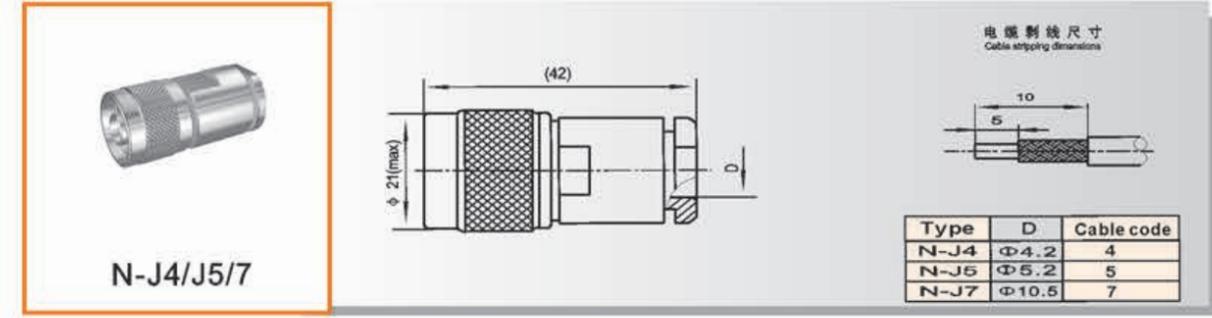
N-KYB2/B3

Dimensions: (33.9), 5/8-24UNEF-2A, $\phi 22$, $\phi 15.9$, 13.6

安装开孔尺寸 Mounting hole

电纜剥线尺寸 Cable stripping dimensions

Type	D	A	Cable code
N-KYB2	$\phi 2.2$	5	B2
N-KYB3	$\phi 3.6$	4	B3

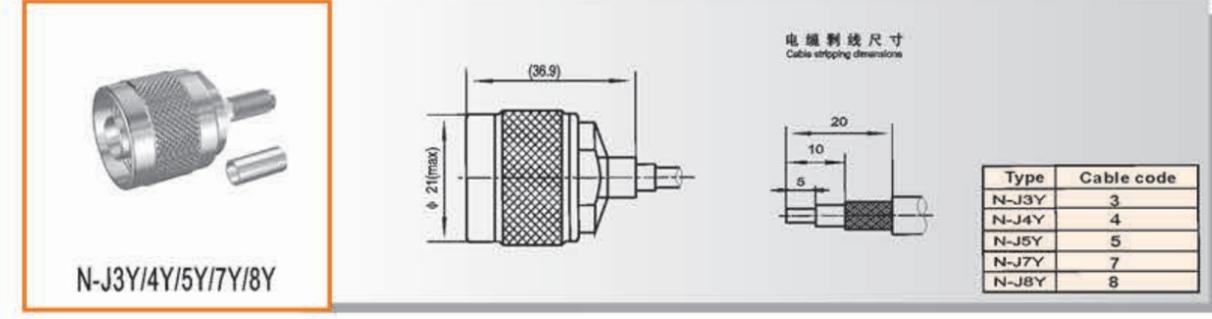


N-J4/J5/7

Dimensions: (42), $\phi 21(\text{max})$, D

电纜剥线尺寸 Cable stripping dimensions

Type	D	Cable code
N-J4	$\phi 4.2$	4
N-J5	$\phi 5.2$	5
N-J7	$\phi 10.5$	7

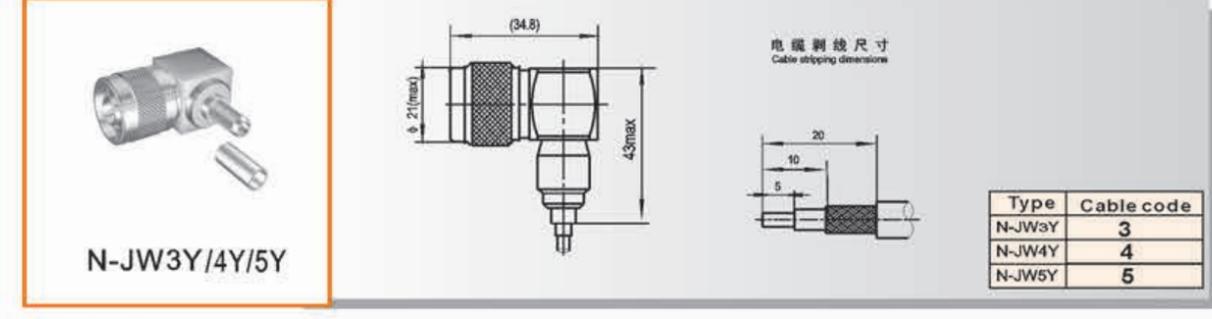


N-J3Y/4Y/5Y/7Y/8Y

Dimensions: (36.9), $\phi 21(\text{max})$, 20, 10, 5

电纜剥线尺寸 Cable stripping dimensions

Type	Cable code
N-J3Y	3
N-J4Y	4
N-J5Y	5
N-J7Y	7
N-J8Y	8

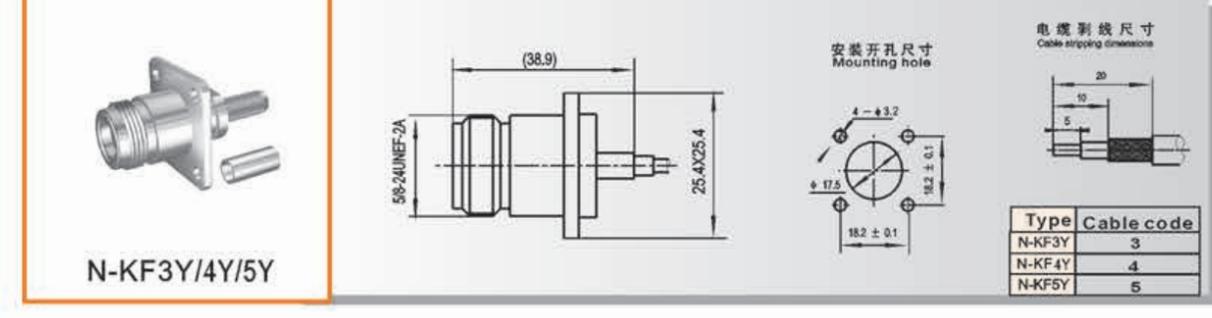


N-JW3Y/4Y/5Y

Dimensions: (34.8), $\phi 21(\text{max})$, 43max, 20, 10, 5

电纜剥线尺寸 Cable stripping dimensions

Type	Cable code
N-JW3Y	3
N-JW4Y	4
N-JW5Y	5



N-KF3Y/4Y/5Y

Dimensions: (38.9), 5/8-24UNEF-2A, 25.4X25.4, $\phi 17.5$, $\phi 18.2 \pm 0.1$

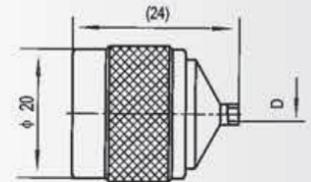
安装开孔尺寸 Mounting hole

电纜剥线尺寸 Cable stripping dimensions

Type	Cable code
N-KF3Y	3
N-KF4Y	4
N-KF5Y	5



N-JB2 /B3/B401

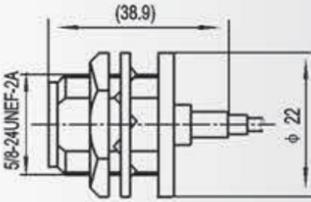


电缆剥线尺寸
Cable stripping dimensions

Type	D	A	B	Cable code
N-JB2	Φ2.2	4	1	B2
N-JB3	Φ3.6	2.5	0	B3
N-JB401	Φ6.5	4.5	0	RG401



N-KY3Y/4Y/5Y



电缆剥线尺寸
Cable stripping dimensions

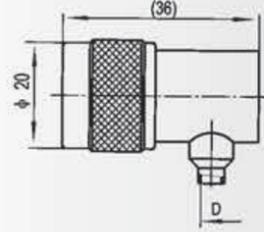


安装开孔尺寸
Mounting hole

Type	Cable code
N-KY3Y	3
N-KY4Y	4
N-KY5Y	5



N-JWB2/B3

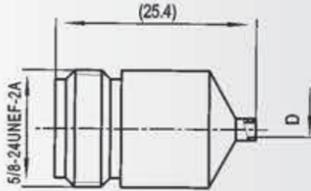


电缆剥线尺寸
Cable stripping dimensions

Type	D	Cable code
N-JWB2	Φ2.2	B2
N-JWB3	Φ3.6	B3



N-KB2/B3

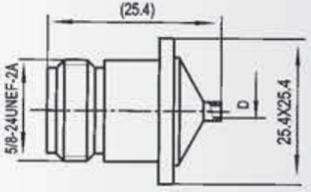


电缆剥线尺寸
Cable stripping dimensions

Type	D	A	Cable code
N-KB2	Φ2.2	5	B2
N-KB3	Φ3.6	4	B3



N-KFB2/B3



电缆剥线尺寸
Cable stripping dimensions

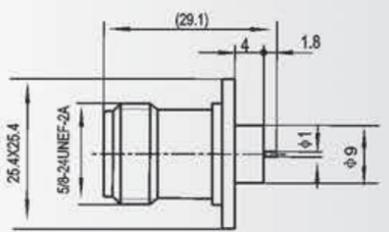
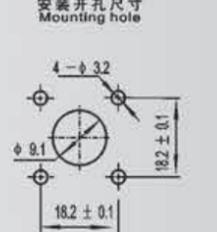


安装开孔尺寸
Mounting hole

Type	D	Cable code
N-KFB2	Φ2.2	B2
N-KFB3	Φ3.6	B3



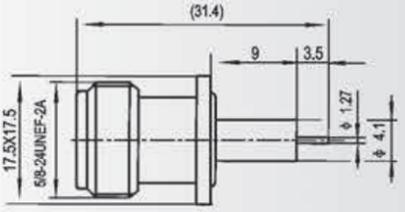
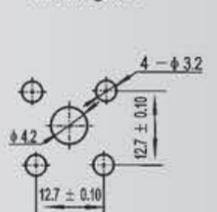
N-50KFD

安装开孔尺寸
Mounting hole



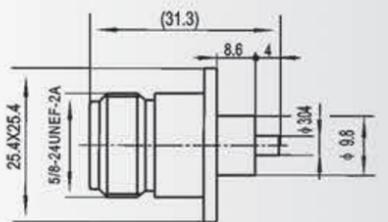
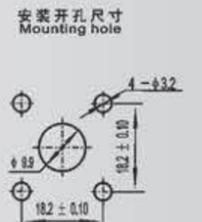
N-50KFD1

安装开孔尺寸
Mounting hole



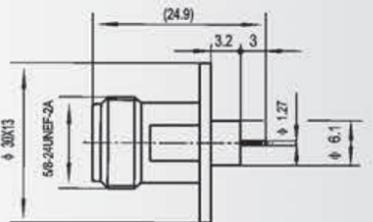
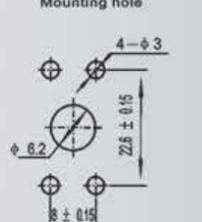
N-50KFD2

安装开孔尺寸
Mounting hole



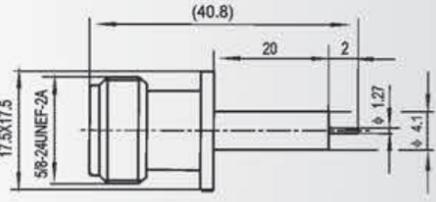
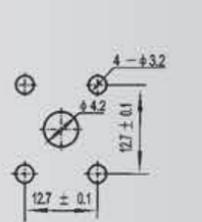
N-50KFD2A

安装开孔尺寸
Mounting hole



N-50KFD3

安装开孔尺寸
Mounting hole

10. QSMA Connectors



QSMA系列是一种新型推入自锁式射频同轴连接器，其接口及内部尺寸与SMA系列相同。独特的推入式结构可以实现快速插拔，具有连接迅速、安全可靠等特点，特性阻抗 50Ω ，频率范围可达 $0\sim 18\text{GHz}$ ，在 $0\sim 6\text{GHz}$ 频率使用时，电气性能优良，在一定频带范围内可代替SMA产品。广泛用于移动通讯、航天航海及精密测量设备等领域。

QSMA connector is a new connector interface for coaxial cables with push-on and self-locking coupling mechanism. This coupling mechanism provides fast push-on, safe, and reliability. The connector has a 50Ω impedance. It works up 18 GHz and offers optimal electrical performance from DC to 6 GHz. It can be used to replace SMA connectors within certain frequency ranges. QSMA connectors are widely used in mobile communications, aviation, navigation, weapon systems, and precision measuring equipments.

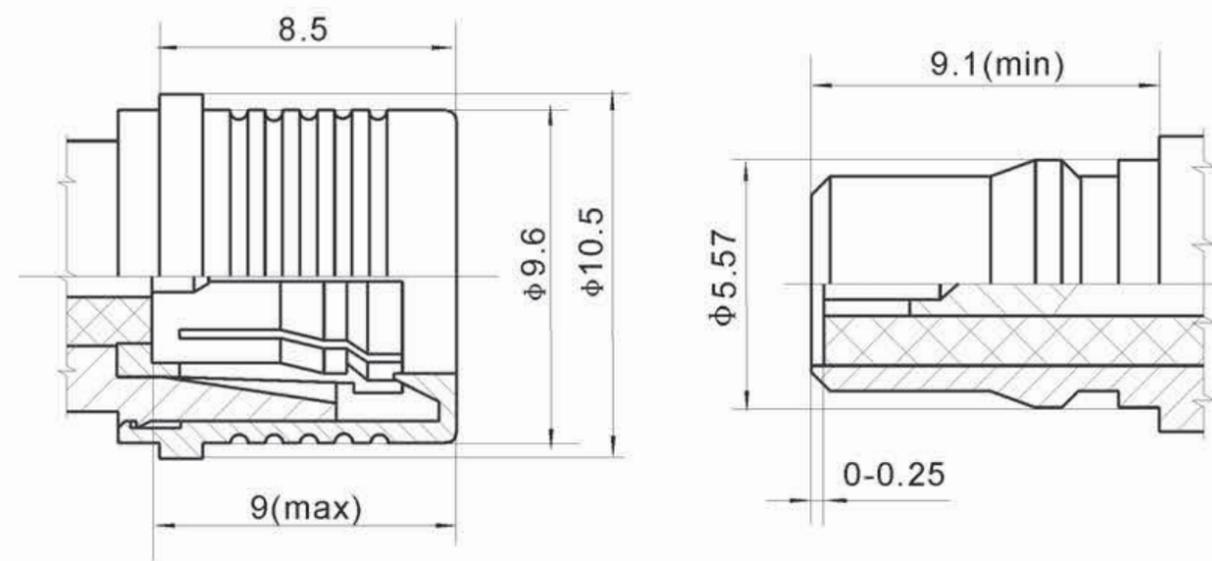
主要技术特性

KEY PERFORMANCE

温度范围 Temperature range		$-65\sim +165^{\circ}\text{C}$	绝缘电阻 Insulation resistance	$\geq 5000\text{M}\Omega$
特性阻抗 Characteristic Impedance		50Ω	介质耐压 Dielectric Withstanding voltage	1000V
频率范围 Frequency range	最佳使用频率 Optimal Frequency Range	$0\sim 6\text{GHz}$	自锁界面保持力 Retention Of Self-lock Interface	$\geq 0.55\text{N}$
	最高使用频率 Maximum Frequency Range	$0\sim 18\text{GHz}$	寿命 Durability	500 Cycles

头部配合尺寸

INTERFACE MATING DIMENSIONS



QSMA-JB2

电缆剥线尺寸
Cable stripping dimensions

Cable code B2

QSMA-JB3

电缆剥线尺寸
Cable stripping dimensions

Cable code B3

QSMA-J3

电缆剥线尺寸
Cable stripping dimensions

Type	D	Cable code
QSMA-KB2	2.2	B2
QSMA-KB3	3.6	B3

Cable code 3

QSMA-JWB2

电缆剥线尺寸
Cable stripping dimensions

Cable code B2

QSMA-JWB3

电缆剥线尺寸
Cable stripping dimensions

Cable code B3

QSMA-JW25

电缆剥线尺寸
Cable stripping dimensions

Cable type	TZC500 25
------------	-----------

QSMA-KB2/3

Type	D	Cable code
QSMA-KB2	2.2	B2
QSMA-KB3	3.6	B3

QSMA-KYB2/3

安装开孔尺寸
Mounting hole

Type	D	Cable code
QSMA-KYB2	2.2	B2
QSMA-KYB3	3.6	B3

QSMA-KYD

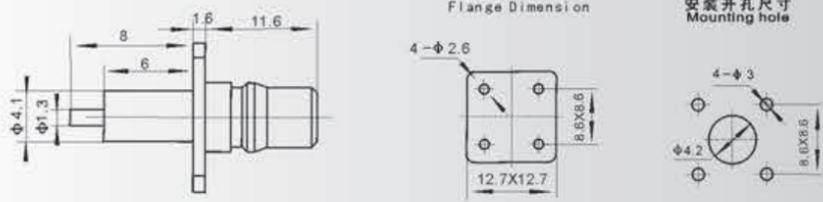
QSMA-KFD1

法兰盘尺寸
Flange Dimension

安装开孔尺寸
Mounting hole



QSMA-KFD2

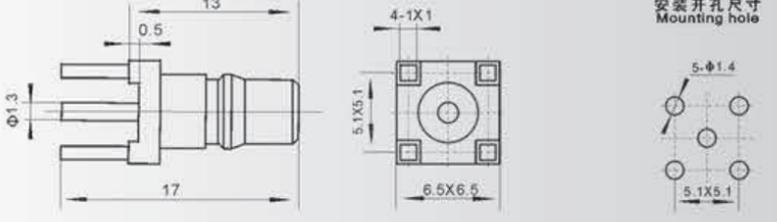


法兰盘尺寸
Flange Dimension

安装开孔尺寸
Mounting hole



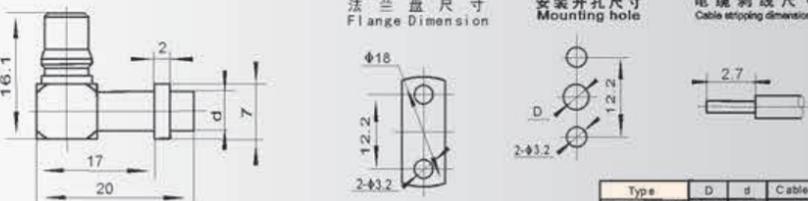
QSMA-KHD



安装开孔尺寸
Mounting hole



QSMA-KWFB2/3



法兰盘尺寸
Flange Dimension

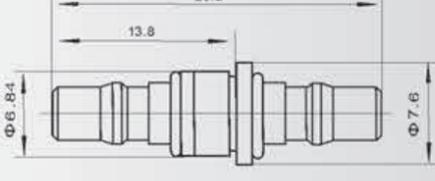
安装开孔尺寸
Mounting hole

电缆剥线尺寸
Cable stripping dimension

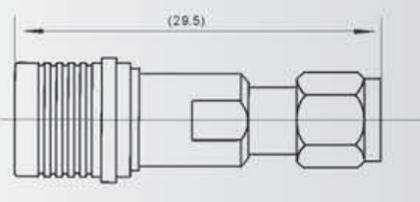
Type	D	d	Cable code
QSMA-KVFB2	φ3.8	φ3.7	B2
QSMA-KVFB3	φ5.2	φ5.1	B3



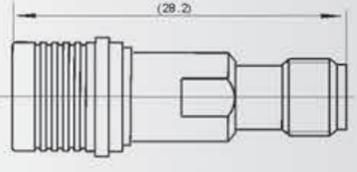
QSMA-KDK



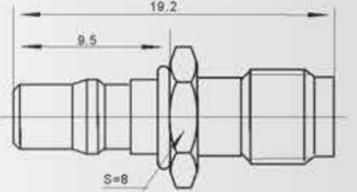

QSMA/SMA-JJ



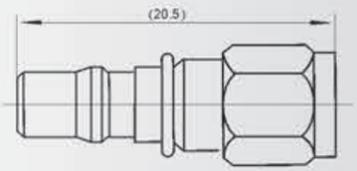

QSMA/SMA-JK




QSMA/SMA-KK




QSMA/SMA-KJ



11. TNC Connectors



TNC系列射频同轴连接器是BNC螺纹变形，频率范围0~11GHz，精度高的可达到18 GHz，具有抗振性强、可靠性高、机械电气性能优越等特点，可与国际上相同系列产品互换，广泛应用于广播、通讯等无线电设备和各种仪器仪表。

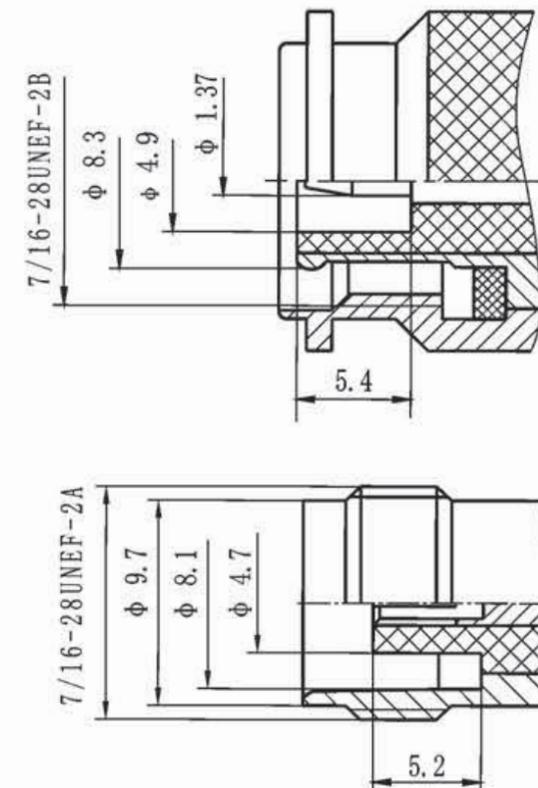
TNC connectors are very similar to the BNC connector. The main difference is that it has a screw fitting instead of the bayonet one. Most TNC connectors are specified to 11 GHz, and some may be able to operate to 18 GHz. Chosen for their durability and reliability, TNC connectors are widely used in the cellular/mobile communication industry for equipment cabling and antenna interfaces.

主要技术特性
KEY PERFORMANCE

温度范围 Temperature range	-65~+165℃	绝缘电阻 Insulation resistance	≥5000MΩ
特性阻抗 Characteristic Impedance	50Ω	介质耐压 Dielectric Withstanding voltage	1500V
频率范围 Frequency range	0~11GHz	电压驻波比 VSWR	≤1.30
工作电压 Voltage rating	500V	寿命 Durability	500 Cycles
接触电阻 Contact resistance	中心导体 Center conductor	≤0.002Ω	
	外导体 Outer conductor	≤0.0002Ω	

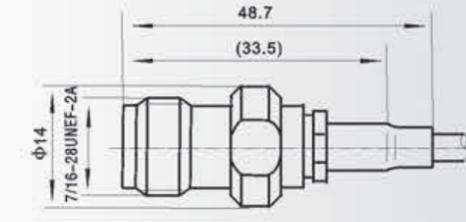
头部配合尺寸

INTERFACE MATING DIMENSIONS





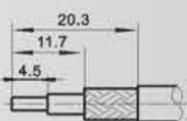
TNC-KY4/5



48.7
(33.5)

7/16-28UNEF-2A
 $\phi 14$

电缆剥线尺寸
Cable stripping dimensions

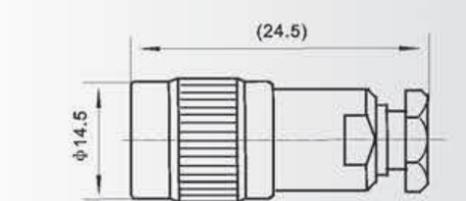


20.3
11.7
4.5

Type	Cable code
TNC-KY4	4
TNC-KY5	5



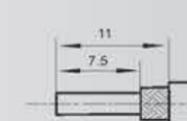
TNC-J5-3



(24.5)

$\phi 14.5$

电缆剥线尺寸
Cable stripping dimensions

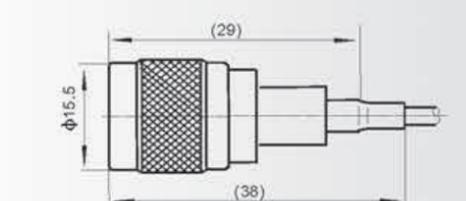


11
7.5

Cable code	5
------------	---



TNC-J3Y

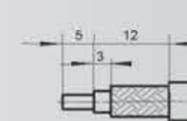


(29)

$\phi 15.5$

(38)

电缆剥线尺寸
Cable stripping dimensions

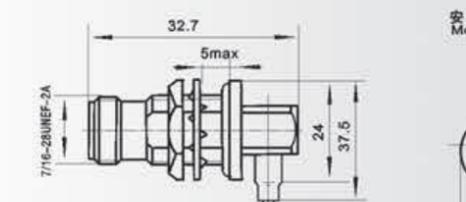


5 12
3

Cable code	3
------------	---



TNC-KYW3Y



32.7
5max
24
37.5

7/16-28UNEF-2A

安装开孔尺寸
Mounting hole



$\phi 12.9$
12

电缆剥线尺寸
Cable stripping dimensions

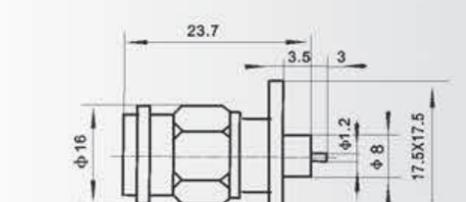


15.1
9.3
3.6

Cable code	3
------------	---



TNC-JFD



23.7
3.5
3
 $\phi 16$
 $\phi 1.2$
 $\phi 8$
17.5X17.5

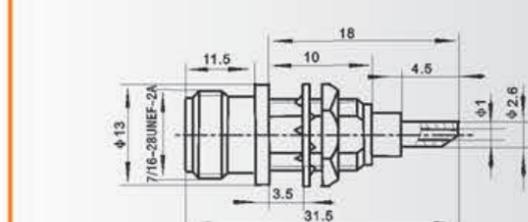
安装开孔尺寸
Mounting hole



4- $\phi 3.2$
 $\phi 8.1$
12.7 ± 0.10

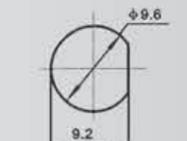


TNC-50KY-1



11.5 18 4.5
 $\phi 13$ 7/16-28UNEF-2A 3.5 31.5
 $\phi 1$ $\phi 2.6$

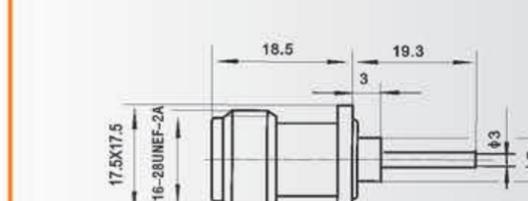
安装开孔尺寸
Mounting hole



$\phi 9.6$
9.2

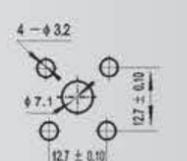


TNC-50KFD2



18.5 19.3
3
17.5X17.5 7/16-28UNEF-2A
 $\phi 3$ $\phi 7$

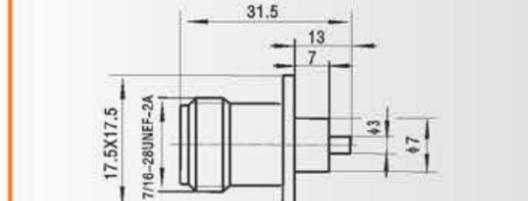
安装开孔尺寸
Mounting hole



4- $\phi 3.2$
 $\phi 7.1$
12.7 ± 0.10



TNC-50KFD38



31.5 13 7
17.5X17.5 7/16-28UNEF-2A
 $\phi 3$ $\phi 7$
1.5

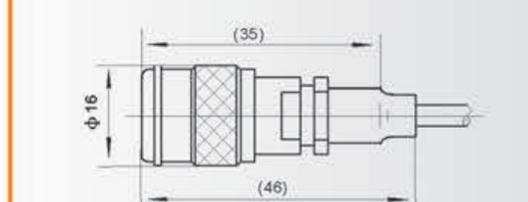
安装开孔尺寸
Mounting hole



4- $\phi 3.2$
 $\phi 7.1$
12.7 ± 0.10

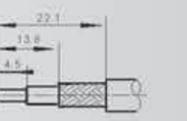


TNC-J4Y/5Y



(35)
 $\phi 16$
(46)

电缆剥线尺寸
Cable stripping dimensions

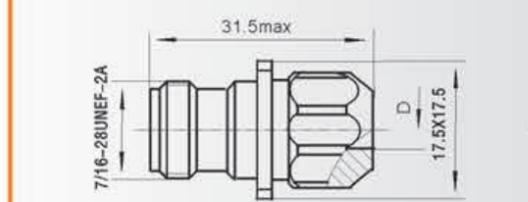


22.1
13.8
4.1

Type	Cable code
TNC-J4Y	4
TNC-J5Y	5

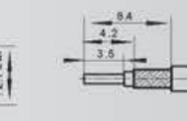


TNC-KF3/4/5



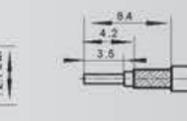
31.5max
7/16-28UNEF-2A
D
17.5X17.5

安装开孔尺寸
Mounting hole



4- $\phi 3$
 $\phi 11.5$
12.7 ± 0.10

电缆剥线尺寸
Cable stripping dimensions

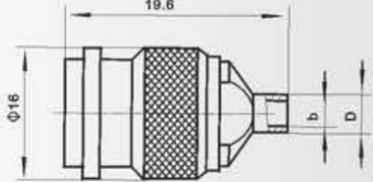


6.4
4.2
3.5

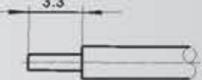
Type	D	Cable code
TNC-KF3	$\phi 3.1$	3
TNC-KF4	$\phi 4.2$	4
TNC-KF5	$\phi 5.2$	5



TNC-JB2/B3



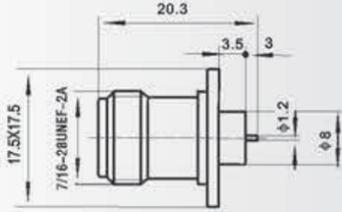
电缆剥线尺寸
Cable stripping dimensions



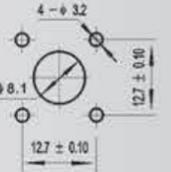
Type	d	D	Cable code
TNC-JB2	Φ2.2	Φ3.0	B2
TNC-JB3	Φ3.6	Φ4.6	B3



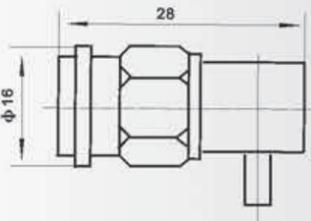
TNC-50KFD5



安装开孔尺寸
Mounting hole




TNC-JWB3



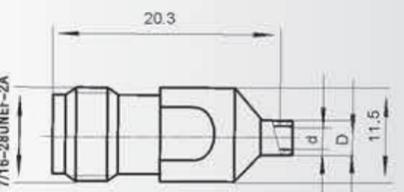
电缆剥线尺寸
Cable stripping dimensions



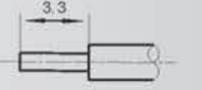
Cable code **B3**



TNC-KB2/3



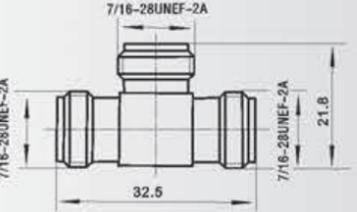
电缆剥线尺寸
Cable stripping dimensions



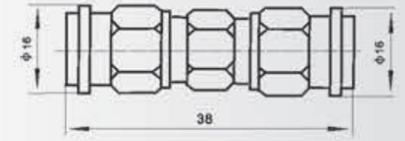
Type	D	d	Cable code
TNC-KB2	Φ2.2	Φ3.0	B2
TNC-KB3	Φ3.6	Φ4.6	B3



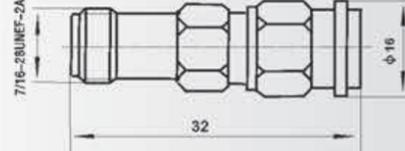
TNC-KKK



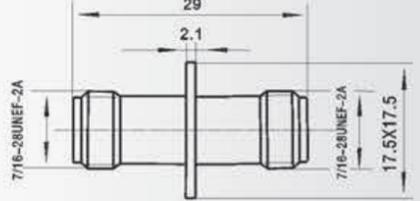

TNC-JJ



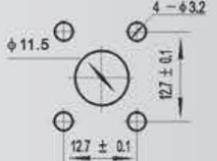

TNC-JK



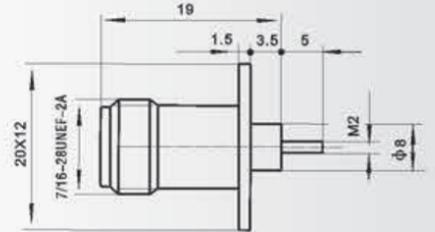

TNC-KKF



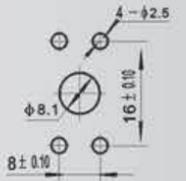
安装开孔尺寸
Mounting hole



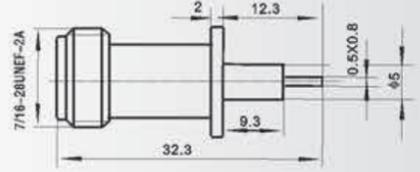

TNC-50KFD28



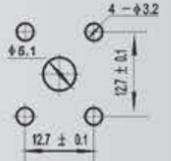
安装开孔尺寸
Mounting hole




TNC-50KFD12



安装开孔尺寸
Mounting hole



12. L29 Connectors



L29系列是一种较大型螺纹连接射频同轴连接器，具有坚固、机械电气性能稳定、低损耗、工作电压高等特点，广泛用于微波传输和移动通讯中的高能量传输，该系列产品大部分具有防水结构，适用于户外使用。

L29 connectors are a screw coupling unit designed specifically to handle high power while suppressing inter-modulation products. The connector is most widely used in communication systems such as mobile phone base stations and radio transceivers

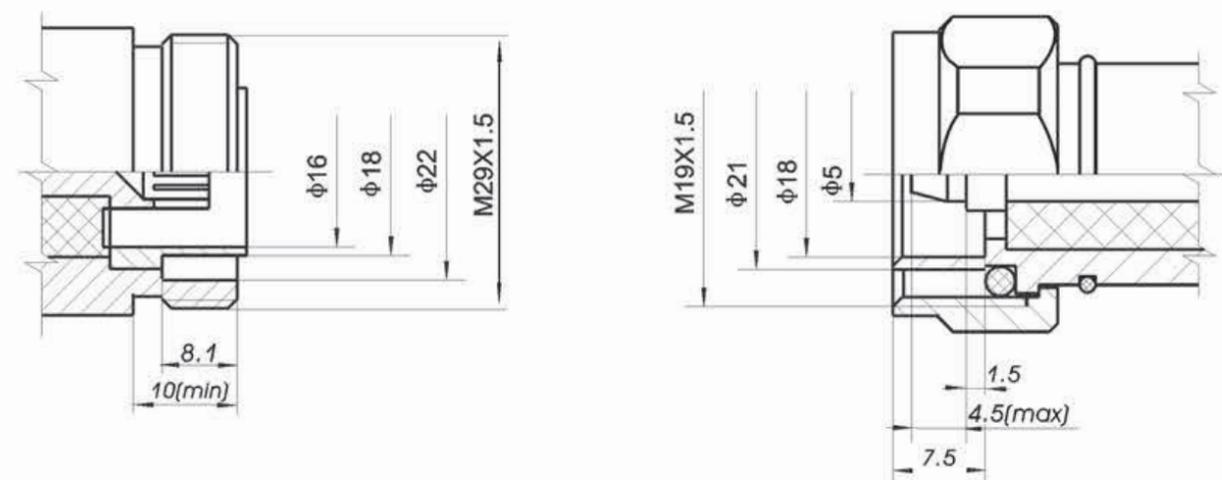
主要技术特性

KEY PERFORMANCE

温度范围 Temperature range	-65~+155℃	绝缘电阻 Insulation resistance	≥5000MΩ	
特性阻抗 Characteristic Impedance	50 Ω	耐压 Withstanding voltage	4000V(rms)	
频率范围 Frequency range	0~7.5GHz	电压驻波比 VSWR	直式 Straight	≤1.25
工作电压 Voltage rating	2700V(rms)		弯式 Right angle	≤1.40
接触电阻 Contact resistance	中心导体 Center conductor	寿命 Durability		500 Cycles
	外导体 Outer conductor			

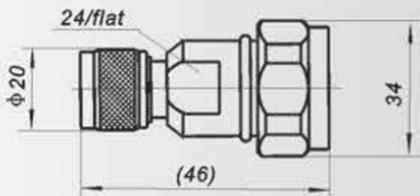
头部配合尺寸

INTERFACE MATING DIMENSIONS

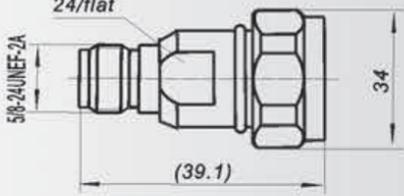




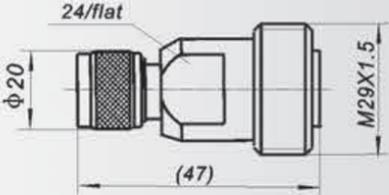
L29/N-50JJ



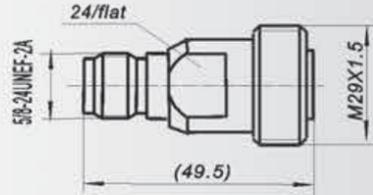

L29/N-50JK




L29/N-50KJ



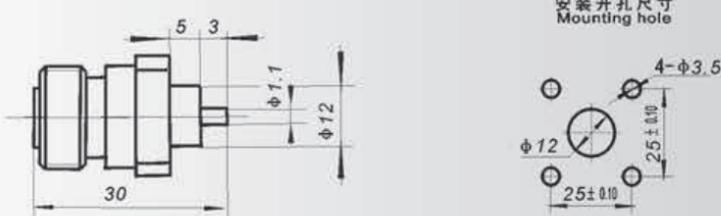

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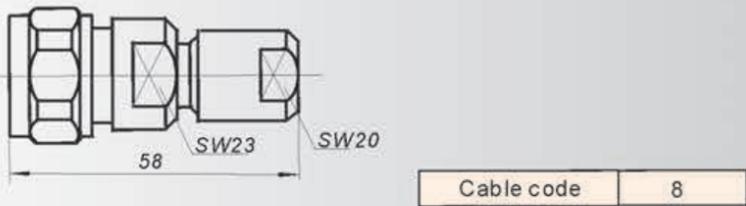

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L29-KFD



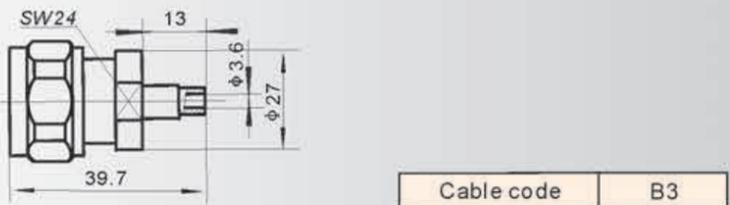

L29-J8B



Cable code	8
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L29-JB3



Cable code	B3
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