



HSWAVE



**上海航升微波科技有限公司**

产品手册2022.V1.1

## 航升微波公司简介

上海航升微波科技有限公司，是一家专业研发、生产、销售高端微波射频产品的生产制造企业，主要产品有射频电缆、电缆组件、测试电缆、连接器、转接器、衰减器、负载、公分器、旋转关节等。自创建以来，公司以先进的生产设备，卓越的技术团队，丰富的生产经验和优质的产品质量从而一直受到客户信赖。本公司现有品牌**hswave**已经在广大客户心目中形成一种品牌效应，质量可靠，客户放心。

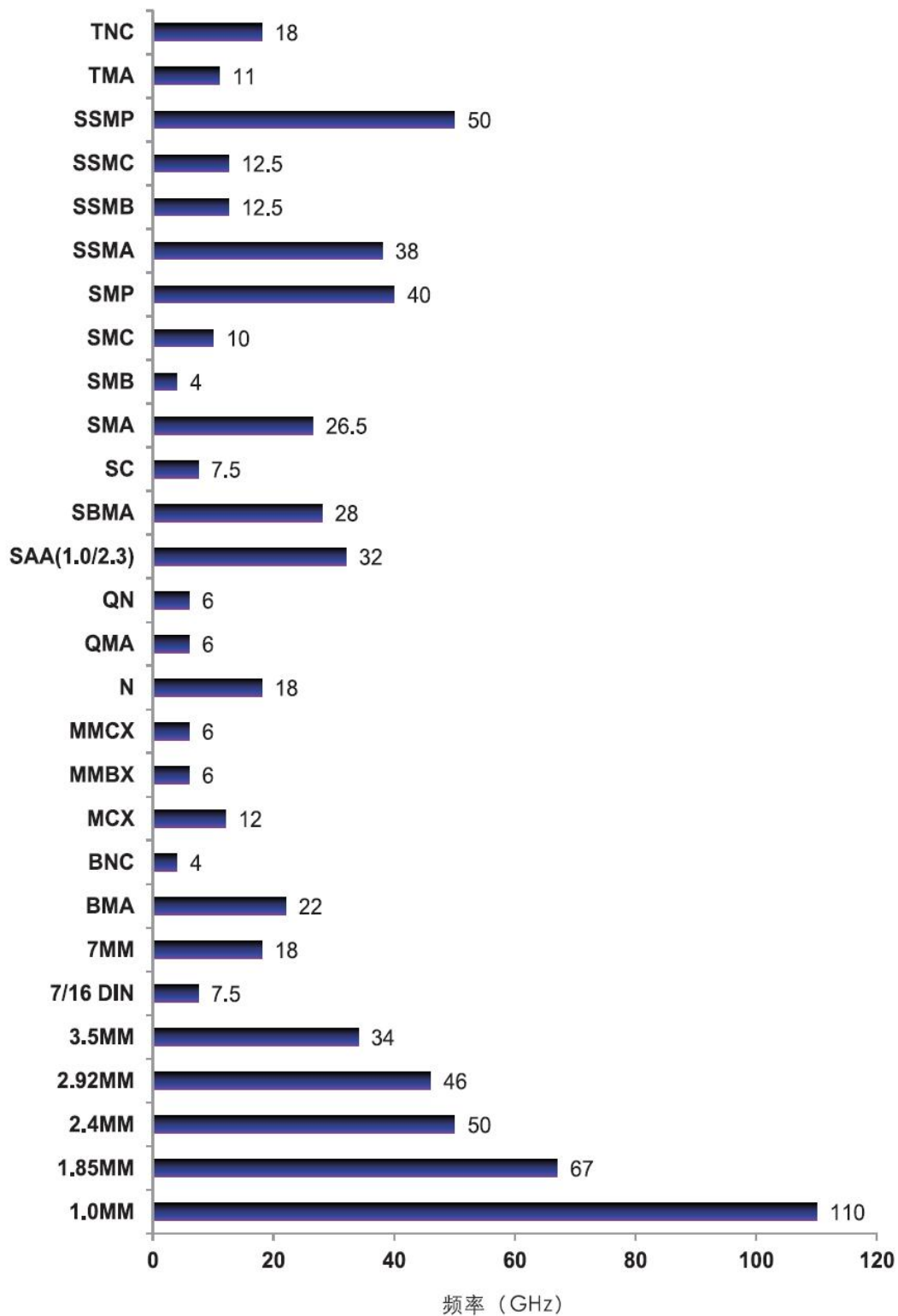
公司主要产品系列包括稳幅稳相互连电缆组件、仪器仪表专用微波电缆组件、连接器、转接器、衰减器、负载、功分器、耦合器、移相器、隔直器、检波器、限幅器、旋转关节等，目前最高频率可达**110GHz**。产品性能指标与国际知名品牌的同类产品处于同一水平。

产品广泛应用于移动通信、航空航天、军工国防、卫星遥感、测试测量、电子对抗、广播电视、医疗等领域，已为各大通信公司、研究所、高效实验室提供优质的产品和测试解决方案

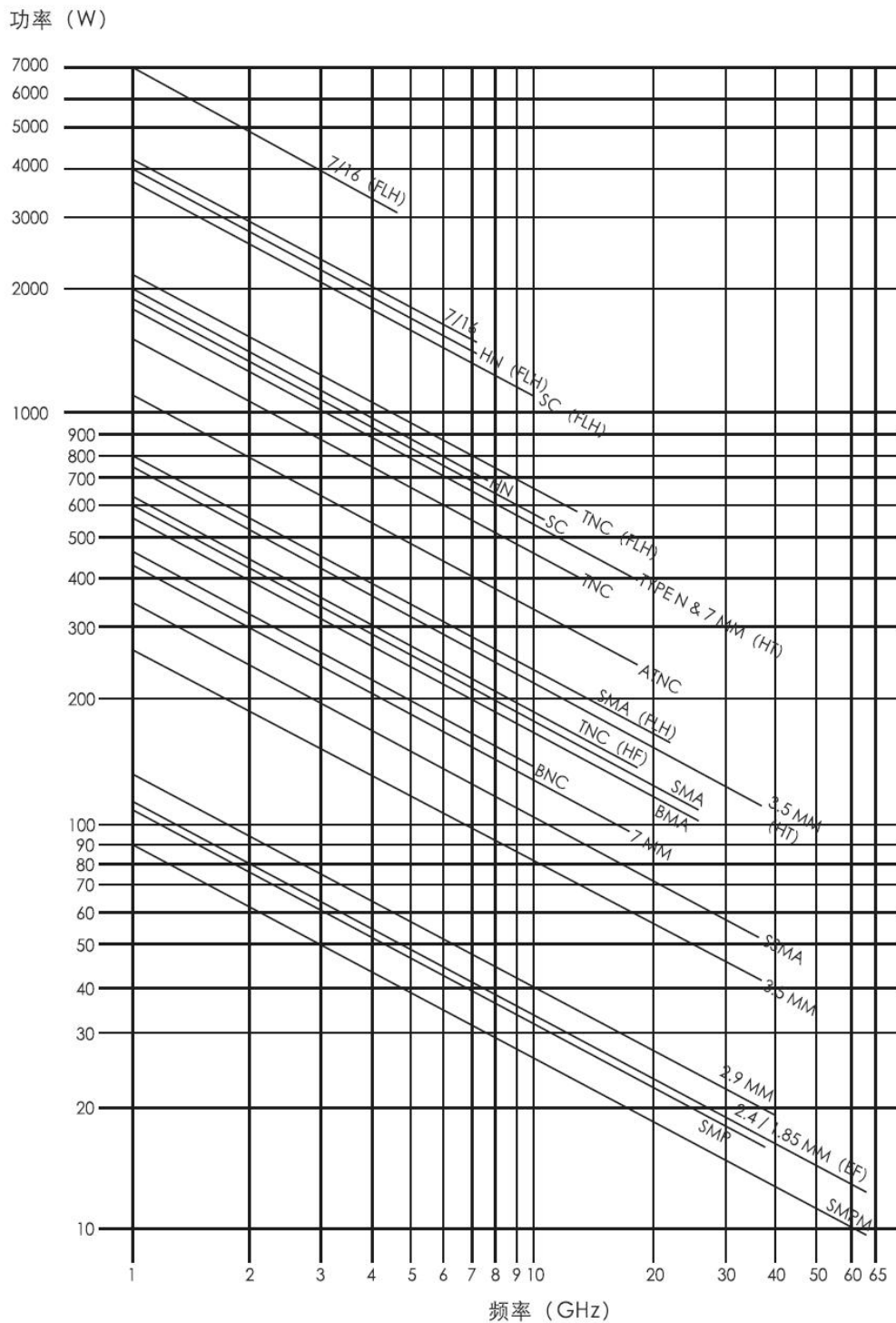
航升微波将以更优秀的产品与更人性化的服务，秉承合作共赢的发展理念，力争成为中国射频行业中的优秀企业者而不断努力拼搏。



# 航升连接器频率表



# 航升连接器功率图



(HT) = 耐高温介质支撑垫圈

(HF) = 高频

(EF) = 扩频 (展宽频率)



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H102 (DC-67GHz)  
H103 (DC-40GHz)  
H104 (DC-40GHz)  
H105 (DC-26.5GHz)  
H107 (DC-18GHz)  
H109 (DC-18GHz)  
H110 (DC-10GHz)

### H200.....低损耗稳幅稳相.....(2)

H201 (DC-67GHz)  
H202 (DC-40GHz)  
H203 (DC-26.5GHz)  
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H303 (DC-18GHz)

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HF086/F (DC-18GHz)  
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HR141 (DC-18GHz)

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H100——超低损耗稳幅稳相电缆

- \*最高频率可达110GHz
- \*超低损耗
- \*温度相位550PPM
- \*机械相位±5°
- \*幅度稳定性±0.2dB
- \*耐大功率



连接器可选：SSMP/SMP/SSMA/SMA/TNC/N/3.5mm/2.92mm/2.4mm/1.85mm/1mm等(公母、弯直)

电缆型号	H101	H102	H103	H104	H105	H107	H109	H110								
结构材料与尺寸																
结构&材质&尺寸	mm	mm	mm	mm	mm	mm	mm	mm								
中心导体	镀银铜 (镀银铜包钢)	0.51	0.91	1.05	1.40	2.10	2.43	3.48								
电介质	低密度PTFE	0.84	1.38	2.50	2.95	3.75	5.75	6.60								
外导体	镀银铜带	1.00	1.58	2.66	3.15	3.95	6.07	6.90								
外屏蔽	镀银铜丝	1.24	1.90	3.15	3.55	4.35	6.58	7.40								
护套	FEP	1.46	2.20	3.60	3.90	4.80	7.50	8.10								
主要参数指标																
工作频率	110GHz	67GHz	40GHz	40GHz	26.5GHz	18GHz	18GHz	10GHz								
特性阻抗	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω								
传输速率	80%	82%	83%	83%	83%	83%	83%	83%								
介电常数	1.56	1.49	1.45	1.45	1.45	1.45	1.45	1.45								
时延	4.16nS/m	4.06nS/m	4.01nS/m	4.01nS/m	4.01nS/m	4.01nS/m	4.01nS/m	4.01nS/m								
介质耐压	200(V,DC)	350(V,DC)	700(V,DC)	800(V,DC)	1200(V,DC)	1600(V,DC)	1800(V,DC)	3000(V,DC)								
屏蔽效率	<-90dB	<-90dB	<-90dB	<-90dB	<-90dB	<-90dB	<-90dB	<-90dB								
静态弯曲半径	7mm	11mm	18mm	20mm	24mm	38mm	41mm	61mm								
动态弯曲半径	15mm	22mm	36mm	39mm	48mm	75mm	81mm	122mm								
重量	7g/m	16g/m	33g/m	41g/m	54g/m	125g/m	156g/m	280g/m								
工作温度	-55~165℃															
衰减与功率	H101		H102		H103		H104		H105		H107		H109		H110	
Frequency (MHz)	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW
300	70.48	0.061	34.59	0.102	20.40	0.940	16.82	1.050	12.86	1.61	8.40	3.20	7.20	3.420	5.60	5.370
1000	128.94	0.033	63.70	0.055	37.50	0.511	30.98	0.569	23.67	0.87	15.40	1.74	13.20	1.853	10.50	2.870
2000	182.69	0.024	90.80	0.039	53.36	0.359	44.16	0.399	33.73	0.61	21.90	1.23	18.90	1.297	15.1	1.985
3000	224.07	0.019	111.88	0.032	65.65	0.292	54.41	0.324	41.56	0.50	26.90	0.99	23.30	1.051	18.80	1.594
6000	317.89	0.014	160.37	0.022	93.81	0.204	77.98	0.226	59.54	0.35	38.40	0.70	33.60	0.730	27.60	1.087
8000	367.69	0.012	186.49	0.019	108.91	0.176	90.68	0.195	69.22	0.30	44.50	0.60	39.10	0.627	32.50	0.924
12000	451.59	0.010	231.09	0.015	134.60	0.142	112.36	0.157	85.75	0.24	54.90	0.50	48.70	0.504		
16000	522.69	0.008	269.46	0.013	156.60	0.122	131.00	0.135	99.96	0.21	63.80	0.42	56.90	0.431		
18000	554.98	0.008	287.06	0.012	166.67	0.115	139.56	0.126	106.48	0.19	67.90	0.40	60.70	0.404		
20000	585.60	0.007	303.84	0.012	176.25	0.109	147.71	0.119	112.69	0.18						
26500	676.07	0.006	353.99	0.010	204.79	0.094	172.08	0.103	131.24	0.16						
40000	834.90	0.005	443.99	0.008	255.69	0.075	215.81	0.082								
50000	936.48	0.005	502.84	0.007												
67000	1089.31	0.004	593.22	0.006												
110000	1409.66	0.003														
计算公式	$dB/100m = K1 * \sqrt{FMHz} + K2 * FMHz$															
K1	4.0594		1.9758324		1.5684156		0.96104		0.734593		0.48249		0.408		0.3132956	
K2	0.0005755		0.0012207		0.0012207		0.00059		0.00044		0.000174		0.00033		0.000562	

H200——低损耗稳幅稳相电缆

- \*最高频率可达67GHz
- \*低损耗
- \*温度相位1000PPM
- \*机械相位±5°
- \*幅度稳定性±0.15dB

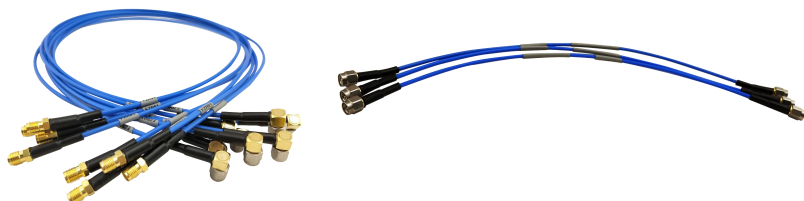


连接器可选：SSMP/SMP/SSMA/SMA/TNC/N/3.5mm/2.92mm/2.4mm/1.85mm等(公母、弯直)

电缆型号	H201	H202	H203	H204	H205	H206	H207							
结构材料与尺寸														
结构&材质&尺寸	mm	mm	mm	mm	mm	mm	mm							
中心导体	镀银铜	0.51	0.72	0.91	1.02	1.29	1.57	2.10						
电介质	LD-PTFE	1.52	2.21	2.75	3.05	3.85	4.72	5.75						
外导体	镀银铜带	1.72	2.40	2.95	3.32	4.15	5.18	6.07						
中间层	铝箔	N/A	2.80	3.07	3.45	4.28	5.30	N/A						
外屏蔽	镀银铜丝	2.04	3.15	3.50	4.02	4.73	5.80	6.58						
护套	FEP	2.40	3.60	4.00	4.60	5.20	6.20	7.50						
主要参数指标														
工作频率	67GHz	40GHz	26.5GHz	26.5GHz	26.5GHz	18GHz	18GHz							
特性阻抗	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω							
传输速率	74%	74%	76%	76%	76%	76%	76%							
介电常数	1.83	1.83	1.73	1.73	1.73	1.73	1.73							
时延	4.50nS/m	4.50nS/m	4.38nS/m	4.38nS/m	4.38nS/m	4.38nS/m	4.01nS/m							
介质耐压	400(V,DC)	600(V,DC)	700(V,DC)	800(V,DC)	1000(V,DC)	1300(V,DC)	1600(V,DC)							
屏蔽效率	<-90dB	<-90dB	<-100dB	<-100dB	<-100dB	<-100dB	<-90dB							
静态弯曲半径	12mm	18mm	20mm	23mm	26mm	31mm	38mm							
动态弯曲半径	24mm	36mm	40mm	46mm	52mm	62mm	75mm							
重量	16g/m	33g/m	45g/m	50g/m	50g/m	90g/m	125g/m							
工作温度	-55~165℃													
衰减与功率														
	H201		H202		H203		H204		H205		H206		H207	
Frequency (MHz)	dB/100m	KW	dB/100m	KW	dB/100m	KW	dB/100m	KW	dB/100m	KW	dB/100m	KW	dB/100m	KW
300	38.08	0.310	23.87	0.750	19.22	1.047	19.22	1.047	15.01	1.38	12.00	1.83	9.56	5.779
1000	70.07	0.168	43.79	0.409	35.36	0.569	35.36	0.569	27.67	0.75	22.17	0.99	17.72	3.118
2000	99.82	0.118	62.18	0.288	50.35	0.400	50.35	0.400	39.47	0.52	31.70	0.69	25.41	2.175
3000	122.92	0.096	76.40	0.234	61.99	0.325	61.99	0.325	48.67	0.43	39.15	0.56	31.45	1.757
6000	175.98	0.067	108.82	0.165	88.71	0.227	88.71	0.227	69.87	0.30	56.40	0.39	45.52	1.214
8000	204.52	0.058	126.12	0.142	103.07	0.195	103.07	0.195	81.31	0.25	65.76	0.33	53.21	1.038
12000	253.17	0.047	155.44	0.115	127.53	0.158	127.53	0.158	100.89	0.21	81.84	0.27	66.48	0.831
16000	294.95	0.040	180.43	0.099	148.52	0.135	148.52	0.135	117.76	0.18	95.77	0.23	78.05	0.708
18000	314.10	0.038	191.82	0.093	158.14	0.127	158.14	0.127	125.51	0.17	102.19	0.21	83.40	0.662
20000	332.34	0.036	202.65	0.088	167.30	0.120	167.30	0.120	132.91	0.16				
26500	386.80	0.031	234.80	0.076	194.63	0.103	194.63	0.103	155.04	0.13				
40000	484.31	0.024	291.75	0.061										
50000	547.92	0.022												
67000	645.40	0.018												
计算公式	$dB/100m = K1 * \sqrt{FMHz} + K2 * FMHz$													
K1	2.1773416		1.3707349		1.197		1.0994853		0.856234		0.68243		0.541335	
K2	0.001221		0.00044		0.001197		0.0005906		0.0005908		0.0005906		0.0005985	

H300——柔性高频互连电缆

- \*最高频率可达40GHz
- \*性价比高
- \*机械相位±15°
- \*幅度稳定性±0.5dB
- \*柜内板卡柔性互连



连接器可选: SSMP/SMP/SSMA/SMA/TNC/N/3.5mm/2.92mm/2.4mm/1.85mm等(公母、弯直)

电缆型号	H301		H302		H303	
结构材料与尺寸						
结构&材质&尺寸	mm		mm		mm	
中心导体	镀银铜	0.51	0.91	1.65		
电介质	PTFE	1.60	3.00	5.25		
外导体	镀银铜带	1.79	3.20	5.57		
外屏蔽	镀银铜丝	2.16	3.60	6.08		
护套	FEP	2.80	4.00	6.50		
主要参数指标						
工作频率	40GHz		26.5GHz		18GHz	
特性阻抗	50Ω		50Ω		50Ω	
传输速率	70%		70%		70%	
介电常数	2.04		2.04		2.04	
时延	4.76nS/m		4.76nS/m		4.76nS/m	
介质耐压	1500(V,DC)		2000(V,DC)		2500(V,DC)	
屏蔽效率	<-90dB		<-90dB		<-90dB	
静态弯曲半径	14mm		20mm		33mm	
动态弯曲半径	28mm		40mm		65mm	
重量	22g/m		49g/m		142g/m	
工作温度			-55~125℃			

衰减与功率	H301		H302		H303	
	dB/100m	kW	dB/100m	kW	dB/100m	kW
Frequency (MHz)						
300	36.98	0.187	19.93	0.512	13.11	1.177
1000	69.30	0.100	38.17	0.267	25.72	0.600
2000	100.31	0.069	56.28	0.181	38.69	0.399
3000	125.02	0.055	71.10	0.144	49.55	0.311
6000	183.73	0.038	107.46	0.095	76.99	0.200
8000	216.37	0.032	128.31	0.080	93.12	0.166
12000	273.66	0.025	165.81	0.062	122.72	0.126
16000	324.44	0.021	199.91	0.051	150.14	0.103
18000	348.17	0.020	216.09	0.047	163.30	0.094
20000	371.05	0.019	231.81	0.044		
26500	440.80	0.016	280.53	0.036		
40000	570.87	0.012				
计算公式	dB/100m=K1*SQRT(FMHz)+K2*FMHz					
K1	2.0669291		1.0824		0.688976	
K2	0.003937		0.003937		0.003937	

H400——超柔低损耗稳幅稳相电缆

- \*最高频率可达40GHz
- \*超柔软
- \*多芯导体、低损耗
- \*温度相位1000PPM
- \*机械相位±5°
- \*幅度稳定性±0.15dB



连接器可选：SMA/N/2.92mm/2.4mm/1.85mm等(公母、弯直)

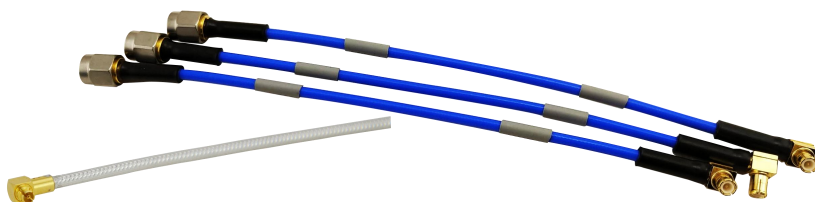
电缆型号		H401	H402
结构材料与尺寸			
结构&材质&尺寸		mm	mm
中心导体	镀银铜	0.72	1.02
电介质	PTFE	2.10	3.07
外导体	镀银铜带	2.26	3.27
外屏蔽	镀银铜丝	2.71	3.78
护套	FEP	3.60	5.00
主要参数指标			
工作频率		40GHz	26.5GHz
特性阻抗		50Ω	50Ω
传输速率		76%	76%
介电常数		1.73	1.73
时延		4.38nS/m	4.38nS/m
介质耐压		450(V,DC)	700(V,DC)
屏蔽效率		<-90dB	<-90dB
静态弯曲半径		14mm	20mm
动态弯曲半径		36mm	50mm
重量		30g/m	50g/m
工作温度		-55~85℃	

衰减与功率		H301		H302	
Frequency (MHz)	dB/100m	kW	dB/100m	kW	
300	27.96	0.220	20.45	0.280	
1000	51.86	0.119	38.47	0.149	
2000	74.40	0.083	55.89	0.102	
3000	92.12	0.067	69.84	0.082	
6000	133.45	0.046	103.22	0.055	
8000	156.03	0.039	121.90	0.047	
12000	195.07	0.032	154.87	0.037	
16000	229.12	0.027	184.25	0.031	
18000	244.88	0.025	198.03	0.029	
20000	259.98	0.024	211.34	0.027	
26500	305.54	0.020	252.07	0.023	
40000	388.83	0.016			
计算公式	$dB/100m=K1*\sqrt{FMHz}+K2*FMHz$				
K1	1.582929		1.1366		
K2	0.001806		0.00253		



HF——半柔性同轴电缆

- \*最高频率可达40GHz
- \*优良的屏蔽效率
- \*可手动成型
- \*低成本互联首选



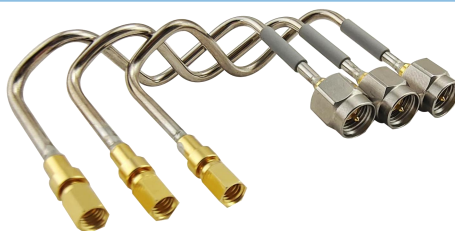
连接器可选：SSMP/SMP/SSMA/SMA/N/3.5mm/2.92mm/2.4mm/1.85mm等(公母、弯直)

电缆型号		HF047/F	HF086/F	HF141/F
结构材料与尺寸				
结构&材质&尺寸		mm	mm	mm
中心导体	镀银铜	0.29	0.53	0.93
电介质	PTFE	0.94	1.68	3.00
外导体	浸锡铜线编织	1.19	2.17	3.52
护套	FEP	1.44 (/F)	2.60 (/F)	4.10 (/F)
主要参数指标				
工作频率		40GHz	40GHz	26.5GHz
特性阻抗		50 Ω	50 Ω	50 Ω
传输速率		70%	70%	70%
介电常数		2.04	2.04	2.04
时延		4.76nS/m	4.76nS/m	4.76nS/m
介质耐压		450(V,DC)	850(V,DC)	1500(V,DC)
屏蔽效率		<-90dB	<-90dB	<-90dB
静态弯曲半径		4mm	8mm	12mm
动态弯曲半径		9mm	16mm	25mm
重量		7.9g/m	20g/m	37g/m
工作温度		-55~150℃		

衰减与功率	HF047/F		HF086/F		HF141/F	
	dB/100m	kW	dB/100m	kW	dB/100m	kW
Frequency (MHz)						
300	67.07	0.059	40.23	0.441	21.28	1.046
1000	124.87	0.032	75.48	0.235	41.70	0.534
2000	179.73	0.022	109.38	0.162	62.65	0.355
3000	223.07	0.018	136.43	0.130	80.20	0.278
6000	324.86	0.012	200.84	0.088	124.46	0.179
8000	380.84	0.010	236.72	0.075	150.45	0.148
12000	478.20	0.008	299.81	0.059	198.11	0.112
16000	563.64	0.007	355.81	0.050	242.23	0.092
18000	603.33	0.007	382.02	0.046	263.39	0.085
20000	641.45	0.006	407.29	0.044	284.09	0.078
26500	756.96	0.005	484.44	0.037	348.88	0.064
40000	969.77	0.004	628.60	0.028		
计算公式	$dB/100m = K1 * \sqrt{FMHz} + K2 * FMHz$					
K1	3.77987		2.245		1.11987	
K2	0.005345		0.00449		0.006286	

HR——半刚性同轴电缆

- \*最高频率可达40GHz
- \*优良的屏蔽效率
- \*可弯折任意形状
- \*低成本互联首选



连接器可选：SSMP/SMP/SSMA/SMA/N/3.5mm/2.92mm/2.4mm/1.85mm等(公母、弯直)

电缆型号		HR047	HR086	HR141
结构材料与尺寸				
结构&材质&尺寸		mm	mm	mm
中心导体	镀银铜	0.29	0.53	0.94
电介质	PTFE	0.94	1.68	2.98
外导体	无缝紫铜管	1.19	2.21	3.58
主要参数指标				
工作频率		40GHz	40GHz	26.5GHz
特性阻抗		50Ω	50Ω	50Ω
传输速率		70%	70%	70%
介电常数		2.04	2.04	2.04
时延		4.76nS/m	4.76nS/m	4.76nS/m
介质耐压		450(V,DC)	850(V,DC)	1500(V,DC)
屏蔽效率		<-110dB	<-110dB	<-110dB
静态弯曲半径		4mm	7mm	11mm
动态弯曲半径		9mm	16mm	25mm
重量		5g/m	10g/m	51g/m
工作温度		-55~150℃		

衰减与功率	HR047		HR086		HR141	
	dB/100m	kW	dB/100m	kW	dB/100m	kW
Frequency (MHz)						
300	61.36	0.087	33.22	0.249	19.19	0.634
1000	113.13	0.047	62.44	0.132	36.72	0.331
2000	161.42	0.033	90.61	0.091	54.12	0.225
3000	199.05	0.027	113.15	0.073	68.35	0.178
6000	285.81	0.019	166.94	0.050	103.23	0.118
8000	332.65	0.016	196.99	0.042	123.21	0.099
12000	412.81	0.013	249.94	0.033	159.13	0.076
16000	481.92	0.011	297.05	0.028	191.77	0.063
18000	513.67	0.010	319.12	0.026	207.25	0.059
20000	543.97	0.010	340.43	0.024	222.30	0.055
26500	634.68	0.008	405.57	0.020	268.90	0.045
40000	798.00	0.007	527.60	0.016		
计算公式	$dB/100m = K1 * \sqrt{FMHz} + K2 * FMHz$					
K1	3.5		1.85		1.043	
K2	0.00245		0.00394		0.00374	

HM——民用通信互连电缆

- \*最高频率可达6GHz
- \*低损耗
- \*室外直接使用
- \*低频低成本互联首选



连接器可选：SMA/TNC/BMV/N等(公母、弯直)

电缆型号		HM100	HM195	HM240	HM300	HM400	HM600
结构材料与尺寸							
结构&材质&尺寸		mm	mm	mm	mm	mm	mm
中心导体	固体铜	0.46 (铜包钢)	0.94	1.42	1.78	2.74	4.47
电介质	发泡PE	1.52	2.79	3.81	4.83	7.24	11.56
外屏蔽	双面铝箔+镀锡铜丝	2.11	3.53	4.52	5.72	8.13	12.45
护套	黑色PE	2.80	4.95	6.10	7.62	10.00	15.00
主要参数指标							
工作频率		5.8GHz	5.8GHz	5.8GHz	5.8GHz	5.8GHz	5.8GHz
特性阻抗		50Ω	50Ω	50Ω	50Ω	50Ω	50Ω
传输速率		66%	80%	83%	82%	84%	83%
介电常数		2.30	1.56	1.45	1.49	1.42	1.45
时延		5.05nS/m	4.16nS/m	4.01nS/m	4.06nS/m	3.96nS/m	4.01nS/m
介质耐压		500(V,DC)	1500(V,DC)	1500(V,DC)	2000(V,DC)	2500(V,DC)	4000(V,DC)
屏蔽效率		<-90dB	<-90dB	<-90dB	<-90dB	<-90dB	<-90dB
静态弯曲半径		8mm	15mm	18mm	23mm	30mm	45mm
动态弯曲半径		17mm	30mm	37mm	46mm	60mm	90mm
重量		14g/m	30g/m	50g/m	80g/m	100g/m	200g/m
工作温度		-55~85℃					

衰减与功率		HM100		HM195		HM240		HM300		HM400		HM600	
Frequency (MHz)	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW	
30	12.91	0.230	7.72	0.890	4.38	1.490	3.48	2.090	2.22	3.33	1.38	5.51	
40	14.94	0.199	8.93	0.769	5.07	1.288	4.03	1.807	2.57	2.87	1.60	4.75	
50	16.74	0.177	9.99	0.688	5.67	1.151	4.51	1.614	2.88	2.57	1.80	4.24	
150	29.35	0.101	17.42	0.394	9.89	0.660	7.87	0.924	5.04	1.47	3.16	2.40	
220	35.76	0.083	21.16	0.325	12.02	0.543	9.58	0.759	6.14	1.20	3.86	1.97	
450	51.92	0.057	30.50	0.225	17.34	0.376	13.84	0.525	8.89	0.83	5.64	1.35	
900	74.94	0.040	43.59	0.158	24.80	0.263	19.87	0.366	12.80	0.58	8.20	0.93	
1500	98.67	0.030	56.87	0.121	32.38	0.202	26.01	0.280	16.82	0.44	10.88	0.70	
1800	108.98	0.027	62.57	0.110	35.65	0.183	28.66	0.254	18.56	0.40	12.05	0.63	
2000	115.46	0.026	66.13	0.104	37.68	0.173	30.33	0.240	19.65	0.38	12.79	0.59	
2500	130.60	0.023	74.39	0.092	42.42	0.154	34.19	0.213	22.19	0.33	14.53	0.52	
5800	210.30	0.014	116.79	0.059	66.77	0.098	54.24	0.134	35.50	0.21	23.82	0.32	
计算公式	$dB/100m=K1*\sqrt{FMHz}+K2*FMHz$												
K1	2.3265748		1.4007973		0.7942257		0.6296916		0.4012139		0.2478675		
K2	0.0057087		0.001742		0.0010827		0.0010827		0.000853		0.000853		

Economy Test——6G经济型测试线

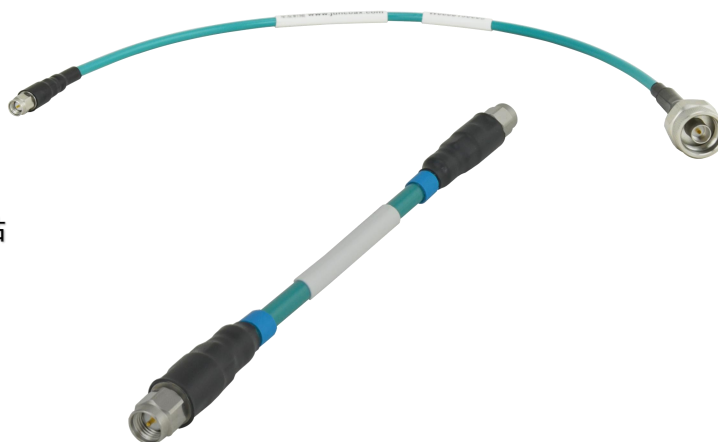
产品特点

- \*DC- 6 GHz
- \*柔软耐弯
- \*成本更低
- \*双层编织，屏蔽性较好
- \*丰富的连接器可选



应用领域

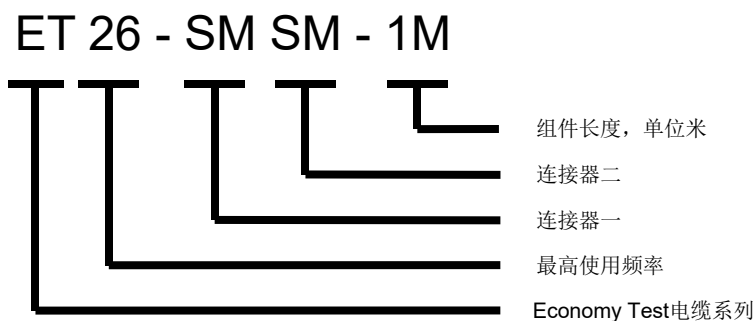
- \*9G内仪器测试电缆组件
- \*手机、IPAD、WIFI、基站
- \*大型代工射频信号测试
- \*5G测试电缆
- \*器件驻波测试



性能指标	
型号	ET06
电缆外径尺寸	5.00mm
护套材料	PUR
传输速率	70%
工作频率	6GHz
阻抗	50Ω
最小弯曲半径	55mm
电缆衰减 (dB/M.Max)	1.40@6GHz
屏蔽效率	<-80dB
操作温度	24±5℃
储存温度	-45℃~+85℃

Economy Test (简称ET)

组件型号命名 (示例)



\*可选连接器: SMA公/母, N公/母, BNC公/母, TNC公/母等。

(常规型号, 材料常备, 可1周内交货)

衰减与功率表		
频率 Frequency (MHz)	衰减 dB/m	功率 W
100	0.15	880
400	0.32	480
900	0.50	270
1000	0.52	260
1800	0.72	190
2400	0.84	165
3000	0.94	140
5000	1.22	105
6000	1.34	90

## Flex Test——超柔稳幅稳相测试线

## 产品特点

- \*频率可达 26.5 GHz
- \*极柔耐弯，超长使用寿命
- \*相位与幅度稳定性优异
- \*超低损耗
- \*超20万次弯折性能稳定
- \*优良的屏蔽效率
- \*高性价比



## 应用领域

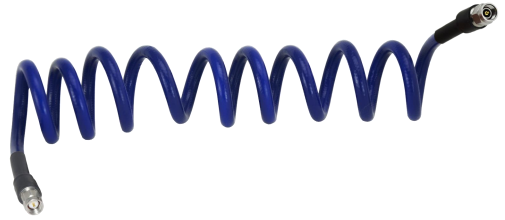
- \*仪器测试电缆组件
- \*手机、IPAD、WIFI、基站
- \*生产线和实验室高精度频繁测试
- \*射频测试领域
- \*5G测试电缆
- \*点到点射频生产测试

性能指标	
型号	FT26
电缆外径尺寸	5.50mm
护套材料	PUR
传输速率	0.76
工作频率	27GHz
阻抗	50Ω
最小弯曲半径	55mm
电缆衰减 (dB/M.Max)	1.75@27GHz
屏蔽效率	<-90dB
相位稳定性	±2°@27GHz
幅度稳定性	<±0.05dB@27GHz
操作温度	24±5℃
储存温度	-45℃~+85℃

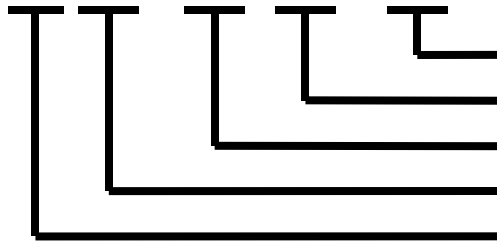


Flex Test (简称FT)

组件型号命名 (示例)



FT 26 - SM SM - 1M

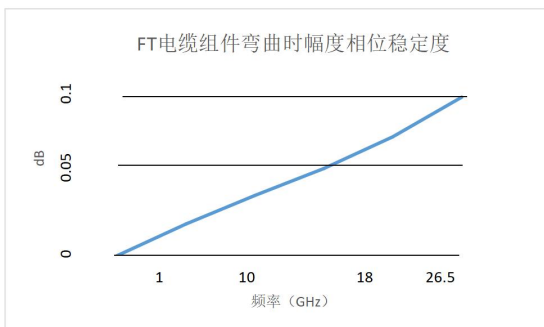
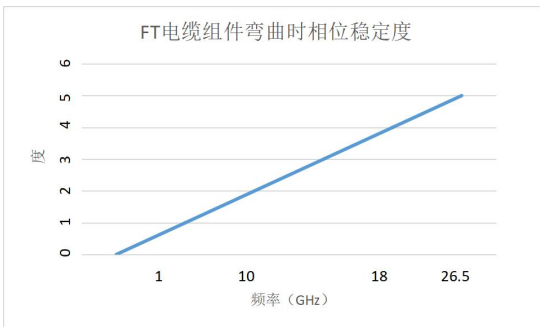


- 组件长度, 单位米
- 连接器二
- 连接器一
- 最高使用频率
- Flex Test电缆系列

\*可选连接器: SMA公/母, N公/母, 3.5mm公/母等。

(常规型号, 材料常备, 可1周内交货)

频率	衰减	功率
Frequency (MHz)	dB/m	W
300	0.16	1020
1000	0.30	550
2000	0.42	390
3000	0.51	300
6000	0.74	220
8000	0.86	190
12000	1.06	150
16000	1.24	130
18000	1.32	120
20000	1.40	110
26500	1.75	80



stable Test——毫米波稳幅稳相测试电缆

产品特点

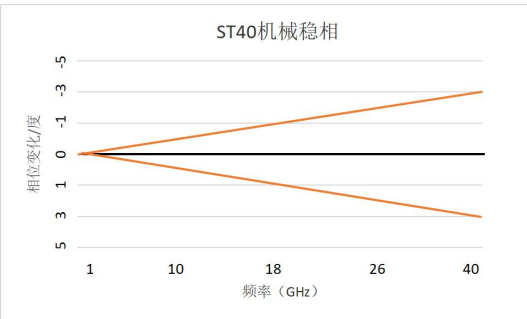
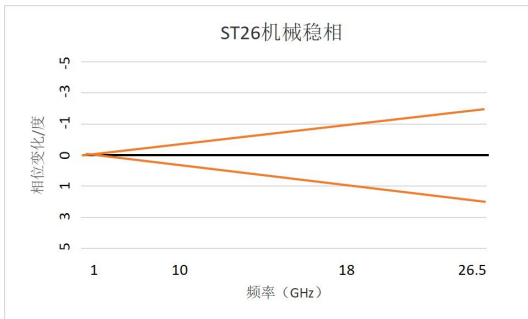
- \*最高频率可达**110GHz**
- \*防水、防尘
- \*耐挤压、摩擦与抗扭曲
- \*超**100万次**弯折性能稳定
- \*优良的屏蔽效率
- \*铠甲保护使用寿命长



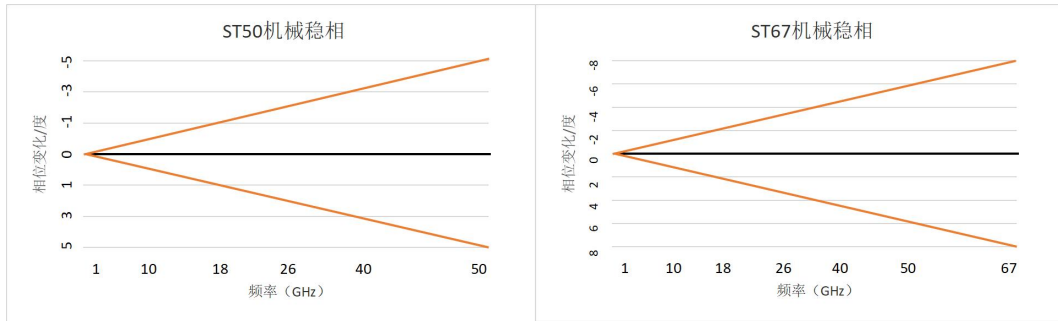
应用领域

- \*高精密射频仪器专用测试线
- \*5G测试电缆
- \*点到点产线测试
- \*研发型实验室/暗室
- \*射频矩阵开关

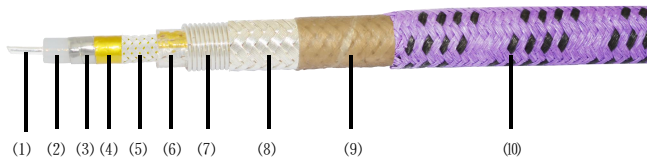
性能指标						
型号	ST18	ST27	ST40	ST50	ST67	ST110
电缆外径尺寸	7.60mm	7.60mm	7.60mm	7.60mm	7.60mm	5.50mm
铠甲材料	不锈钢带弹簧+镀银铜丝+防水胶+PTFE+编织丝					
传输速率	76	76	76	76	76	70
工作频率	18GHz	27GHz	40GHz	50GHz	67GHz	110GHz
阻抗	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω
最小弯曲半径	55mm	55mm	55mm	55mm	55mm	55mm
电缆衰减 (dB/M.Max)	1.95	2.39	2.95	3.3	6.5	14.5
屏蔽效率	<-90dB	<-90dB	<-90dB	<-90dB	<-90dB	<-90dB
相位稳定性	±2°	±2°	±3°	±5°	±8°	N/A
幅度稳定性	<±0.03dB	<±0.03dB	<±0.03dB	<±0.05dB	<±0.15dB	N/A
操作温度	24±5°C	24±5°C	24±5°C	24±5°C	24±5°C	24±5°C
工作温度范围	-45°C~+125°C	-45°C~+125°C	-45°C~+125°C	-45°C~+125°C	-45°C~+125°C	-45°C~+125°C



stable Test——毫米波稳幅稳相测试电缆



十层一体铠甲示意图:

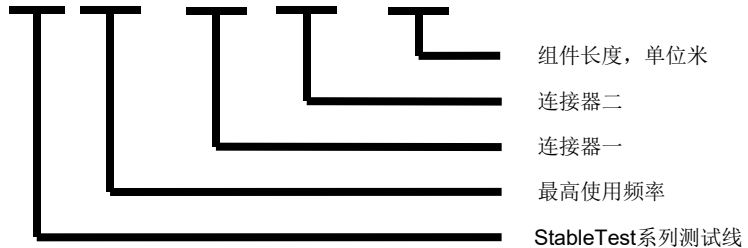


材料明细:

- 1.—中心导体: 镀银铜
- 2.—介质: 低密度PTFE
- 3.—内屏蔽: 镀银铜带
- 4.—中间层: PTFE/铝箔
- 5.—内编织: 镀银铜丝
- 6.—外护套: FEP
- 7.—抗压层: 钢合金丝
- 8.—编织层: 镀银铜丝
- 9.—中间层: PTFE胶带
- 10.—外护套: PTFE丝

组件型号命名 (示例)

ST 26 - SM SM - 1M



\*可选连接器:

- ST26: SMA公/母, N公/母, 3.5mm公/母等。
- ST40: SMA公/母, N公/母, 3.5mm公/母, 2.92mm公/母等。
- ST50: SMA公/母, N公/母, 3.5mm公/母, 2.92mm公/母, 2.4mm公/母等。
- ST67: 1.85mm公/母。
- ST110: 1mm公。

(常规型号, 材料常备, 可1周内交货)

## VNA Test——矢量网络分析仪专用测试电缆

## 产品特点

- \*最高频率可达 **67 GHz**
- \*弯曲时相位和幅度变化极小
- \*稳定、测试精度高
- \*柔软性好，手感舒适
- \*优良的屏蔽性能
- \*铠甲保护抗压抗扭曲



## 应用领域

- \*高精度仪器专用测试线
- \*研发型实验室/暗室



## 性能参数

型号	VNA33	VNA40	VNA50	VNA67
电缆外径尺寸	150mm	150mm	150mm	150mm
铠甲材料	不锈钢铠甲+镀银铜丝+尼龙丝			
连接器类型	3.5mm NMD3.5MM	2.92mm NMD2.92MM	2.4mm NMD2.4MM	1.85mm NMD1.85MM
工作频率	33GHz	40GHz	50GHz	67GHz
阻抗	50Ω	50Ω	50Ω	50Ω
最小弯曲半径	65mm	65mm	65mm	65mm
电缆衰减	1.85dB	2.55dB	3.3dB	5.3dB
驻波比	1.25:1	1.25:1	1.30:1	1.40:1
屏蔽效率	<-100dB	<-100dB	<-100dB	<-100dB
相位稳定性	±2°	±2.5°	±2.5°	±3°
幅度稳定性	<±0.03dB	<±0.03dB	<±0.10dB	<±0.15dB
操作温度	24±5℃	24±5℃	24±5℃	24±5℃
工作温度范围	-45℃~+85℃	-45℃~+85℃	-45℃~+85℃	-45℃~+85℃
电缆长度标准	630MM (可定制任意长度)			

VNA Test——矢量网络分析仪专用测试电缆



NMD-Female



NMC-Female



NMD-Male

匹配矢量端口

\*可选连接器清单:

- 1.85mm: 01=1.85mmNMD-F
- 2.4mm : 11=2.4mmNMD-F
- 2.92mm: 21=2.92mmNMD-F
- 3.5mm : 31=3.5mmNMD-F

- 02=1.85mmNMC-F
- 12=2.4mmNMC-F
- 22=2.92mmNMC-F
- 32=3.5mmNMC-F

- 03=1.85mmNMD-M
- 13=2.4mmNMD-M
- 23=2.92mmNMD-M
- 33=3.5mmNMD-M

(常规型号, 物料常备, 可1周内交货)

组件型号命名 (示例)

VNA 67 - 03 01 - 1M



组件长度, 单位米  
 连接器二  
 连接器一  
 最高使用频率  
 VNA Test系列测试线

毫米波转接器 (1mm/1.85mm/2.4mm/2.92mm/3.5mm/SMA/N/TNC/SMP/SSMP/SSMA)

- \*最高频率可达110GHz
- \*优异的驻波比 (1.15:1)
- \*不锈钢外壳
- \*耐用性强
- \*品种丰富

快速交货



系列	1.0mm	1.85mm	2.4mm	2.92mm	3.5mm	SMA	N	TNC(A)	BNC	SMP	SSMP
1.0mm	✓	✓									
1.85mm	✓	✓	✓	✓	✓						
2.4mm		✓	✓	✓	✓	✓	✓			✓	✓
2.92mm		✓	✓	✓	✓	✓	✓			✓	✓
3.5mm		✓	✓	✓	✓	✓					
SMA			✓	✓	✓	✓	✓	✓	✓	✓	✓
N			✓	✓	✓	✓	✓	✓	✓		
TNC(A)						✓	✓	✓			
BNC						✓	✓		✓		
SMP			✓	✓						✓	
SSMP			✓								



## 毫米波转接器 (1mm/1.85mm/2.4mm/SSMP)

## 1 MM系列

1MM系列转接器 (系列内/系列间)					
型号	连接器1	连接器2	描述	频率	驻波
1-MM-J	1.0mm Male	1.0mm Male	1.0 Male转1.0 Male	DC-110GHz	≤1.35
1-MF-J	1.0mm Male	1.0mm Female	1.0 Male转1.0 Female	DC-110GHz	≤1.35
1-FF-J	1.0mm Female	1.0mm Female	1.0 Female转1.0 Female	DC-110GHz	≤1.35

## 1.85 MM系列

1.85MM系列转接器 (系列内/系列间)					
型号	连接器1	连接器2	描述	频率	驻波
1.85-MM-J	1.85mm Male	1.85mm Male	1.85 Male转1.85 Male	DC-67GHz	≤1.25
1.85-MF-J	1.85mm Male	1.85mm Female	1.85 Male转1.85 Female	DC-67GHz	≤1.25
1.85-FF-J	1.85mm Female	1.85mm Female	1.85 Female转1.85 Female	DC-67GHz	≤1.25
1.85-1-MM-J	1.85mm Male	1.0mm Male	1.85 Male转1.0 Male	DC-67GHz	≤1.25
1.85-1-MF-J	1.85mm Male	1.0mm Female	1.85 Male转1.0 Female	DC-67GHz	≤1.25
1.85-1-FM-J	1.85mm Female	1.0mm Male	1.85 Female转1.0 Male	DC-67GHz	≤1.25
1.85-1-FF-J	1.85mm Female	1.0mm Female	1.85 Female转1.0 Female	DC-67GHz	≤1.25

## 2.4 MM系列

2.4MM系列转接器 (系列内/系列间)					
型号	连接器1	连接器2	描述	频率	驻波
2.4-MM-J	2.4mm Male	2.4mm Male	2.4 Male转2.4 Male	DC-50GHz	≤1.20
2.4-MF-J	2.4mm Male	2.4mm Female	2.4 Male转2.4 Female	DC-50GHz	≤1.20
2.4-FF-J	2.4mm Female	2.4mm Female	2.4 Female转2.4 Female	DC-50GHz	≤1.20
2.4-1.85-MM-J	2.4mm Male	1.85mm Male	2.4 Male转1.85 Male	DC-50GHz	≤1.25
2.4-1.85-MF-J	2.4mm Male	1.85mm Female	2.4 Male转1.85 Female	DC-50GHz	≤1.25
2.4-1.85-FM-J	2.4mm Female	1.85mm Male	2.4 Female转1.85 Male	DC-50GHz	≤1.25
2.4-1.85-FF-J	2.4mm Female	1.85mm Female	2.4 Female转1.85 Female	DC-50GHz	≤1.25
2.4-SSMP-MM-J	2.4mm Male	SSMP Male	2.4 Male转SSMP Male	DC-40GHz	≤1.25
2.4-SSMP-MF-J	2.4mm Male	SSMP Female	2.4 Male转SSMP Female	DC-40GHz	≤1.25
2.4-SSMP-FM-J	2.4mm Female	SSMP Male	2.4 Female转SSMP Male	DC-40GHz	≤1.25
2.4-SSMP-FF-J	2.4mm Female	SSMP Female	2.4 Female转SSMP Male	DC-40GHz	≤1.25

## 毫米波转接器 (1.85mm/2.4mm/2.92mm/SMP/SSMP/SSMA)

## 2.92 MM系列

2.92MM系列转接器 (系列内/系列间)					
型号	连接器1	连接器2	描述	频率	驻波
2.92-MM-J	2.92mm Male	2.92mm Male	2.92 Male转2.92 Male	DC-40GHz	≤1.15
2.92-MF-J	2.92mm Male	2.92mm Female	2.92 Male转2.92 Female	DC-40GHz	≤1.15
2.92-FF-J	2.92mm Female	2.92mm Female	2.92 Female转2.92 Female	DC-40GHz	≤1.15
2.92-FF--BF-J	2.92mm Female	2.92mm Female	2.92 Female转2.92 Female, 四孔法兰	DC-40GHz	≤1.20
2.92-MF--BF-J	2.92mm Male	2.92mm Female	2.92 Male转2.92 Female, 四孔法兰	DC-40GHz	≤1.15
2.92-MM-BH-J	2.92mm Male	2.92mm Male	2.92 Male转2.92 Male, 螺纹穿墙	DC-40GHz	≤1.15
2.92-MF-BH-J	2.92mm Male	2.92mm Female	2.92 Male转2.92 Female, 螺纹穿墙	DC-40GHz	≤1.15
2.92-FF-BH-J	2.92mm Female	2.92mm Female	2.92 Female转2.92 Female, 螺纹穿墙	DC-40GHz	≤1.20
2.92-MM-W-J	2.92mm Male	2.92mm Male	2.92 Male转2.92 Male, 直角弯头	DC-40GHz	≤1.25
2.92-MF-W-J	2.92mm Male	2.92mm Female	2.92 Male转2.92 Female, 直角弯头	DC-40GHz	≤1.25
2.92-FF-W-J	2.92mm Female	2.92mm Female	2.92 Female转2.92 Female, 直角弯头	DC-40GHz	≤1.25
2.92-SSMA-MM-J	2.92mm Male	SSMA Male	2.92 Male转SSMA Male	DC-40GHz	≤1.20
2.92-SSMA-MF-J	2.92mm Male	SSMA Female	2.92 Male转SSMA Female	DC-40GHz	≤1.20
2.92-SSMA-FM-J	2.92mm Female	SSMA Male	2.92 Female转SSMA Male	DC-40GHz	≤1.20
2.92-SSMA-FF-J	2.92mm Female	SSMA Female	2.92 Female转SSMA Female	DC-40GHz	≤1.20
2.92-SMP-MM-J	2.92mm Male	SMP Male	2.92 Male转SMP Male	DC-40GHz	≤1.20
2.92-SMP-MF-J	2.92mm Male	SMP Female	2.92 Male转SMP Female	DC-40GHz	≤1.20
2.92-SMP-FM-J	2.92mm Female	SMP Male	2.92 Female转SMP Male	DC-40GHz	≤1.20
2.92-SMP-FF-J	2.92mm Female	SMP Female	2.92 Female转SMP Female	DC-40GHz	≤1.20
2.92-2.4-MM-J	2.92mm Male	2.4mm Male	2.92 Male转2.4 Male	DC-40GHz	≤1.20
2.92-2.4-MF-J	2.92mm Male	2.4mm Female	2.92 Male转2.4 Female	DC-40GHz	≤1.20
2.92-2.4-FM-J	2.92mm Female	2.4mm Male	2.92 Female转2.4 Male	DC-40GHz	≤1.20
2.92-2.4-FF-J	2.92mm Female	2.4mm Female	2.92 Female转2.4 Female	DC-40GHz	≤1.20
2.92-2.4-FF--BF-J	2.92mm Female	2.4mm Female	2.92 Female转2.4 Female, 四孔法兰	DC-40GHz	≤1.20
2.92-2.4-MF-W-J	2.92mm Male	2.4mm Female	2.92 Male转2.4 Female, 直角弯头	DC-40GHz	≤1.25
2.92-2.4-FM-W-J	2.92mm Female	2.4mm Male	2.92 Female转2.4 Male, 直角弯头	DC-40GHz	≤1.25
2.92-2.4-FF-W-J	2.92mm Female	2.4mm Female	2.92 Female转2.4 Female, 直角弯头	DC-40GHz	≤1.25
2.92-NMD2.4-FF-W-J	2.92mm Female	NMD2.4mm Female	2.92 Female转NMD2.4 Female	DC-40GHz	≤1.20
2.92-1.85-MM-J	2.92mm Male	1.85mm Male	2.92 Male转1.85 Male	DC-40GHz	≤1.15
2.92-1.85-MF-J	2.92mm Male	1.85mm Female	2.92 Male转1.85 Female	DC-40GHz	≤1.15
2.92-1.85-FM-J	2.92mm Female	1.85mm Male	2.92 Female转1.85 Male	DC-40GHz	≤1.15
2.92-1.85-FF-J	2.92mm Female	1.85mm Female	2.92 Female转1.85 Female	DC-40GHz	≤1.15
2.92-1.85-MM-W-J	2.92mm Male	1.85mm Male	2.92 Male转1.85 Male, 直角弯头	DC-40GHz	≤1.20
2.92-1.85-MF-W-J	2.92mm Male	1.85mm Female	2.92 Male转1.85 Female, 直角弯头	DC-40GHz	≤1.20
2.92-1.85-FM-W-J	2.92mm Female	1.85mm Male	2.92 Female转1.85 Male, 直角弯头	DC-40GHz	≤1.20
2.92-1.85-FF-W-J	2.92mm Female	1.85mm Female	2.92 Female转1.85 Female, 直角弯头	DC-40GHz	≤1.20
2.92-SSMP-MM-J	2.92mm Male	SSMP Male	2.92 Male转SSMP Male	DC-40GHz	≤1.20
2.92-SSMP-MF-J	2.92mm Male	SSMP Female	2.92 Male转SSMP Female	DC-40GHz	≤1.20
2.92-SSMP-FM-J	2.92mm Female	SSMP Male	2.92 Female转SSMP Male	DC-40GHz	≤1.20

## 毫米波转接器 (1.85mm/2.4mm/2.92mm/3.5mm)

## 3.5 MM系列

3.5MM系列转接器 (系列内/系列间)					
型号	连接器1	连接器2	描述	频率	驻波
3.5-MM-J	3.5mm Male	3.5mm Male	3.5 Male转3.5 Male	DC-33GHz	≤1.15
3.5-MF-J	3.5mm Male	3.5mm Female	3.5 Male转3.5 Female	DC-33GHz	≤1.15
3.5-FF-J	3.5mm Female	3.5mm Female	3.5 Female转3.5 Female	DC-33GHz	≤1.15
3.5-FF-BF-J	3.5mm Female	3.5mm Female	3.5 Female转3.5 Female, 四孔法兰	DC-33GHz	≤1.15
3.5-NMD3.5-FF-J	3.5mm Male	NMD3.5mm Female	3.5 Male转NMD3.5 Female	DC-33GHz	≤1.15
3.5-FF-BH-J	3.5mm Female	3.5mm Female	3.5 Female转3.5 Female, 螺旋穿墙	DC-33GHz	≤1.15
3.5-MM-W-J	3.5mm Male	3.5mm Male	3.5 Male转3.5 Male, 直角弯头	DC-33GHz	≤1.25
3.5-MF-W-J	3.5mm Male	3.5mm Female	3.5 Male转3.5 Female, 直角弯头	DC-33GHz	≤1.25
3.5-FF-W-J	3.5mm Female	3.5mm Female	3.5 Female转3.5 Female, 直角弯头	DC-33GHz	≤1.25
3.5-2.92-MM-J	3.5mm Male	2.92mm Male	3.5 Male转2.92 Male	DC-33GHz	≤1.15
3.5-2.92-MF-J	3.5mm Male	2.92mm Female	3.5 Male转2.92 Female	DC-33GHz	≤1.15
3.5-2.92-FM-J	3.5mm Female	2.92mm Male	3.5 Female转2.92 Male	DC-33GHz	≤1.15
3.5-2.92-FF-J	3.5mm Female	2.92mm Female	3.5 Female转2.92 Female	DC-33GHz	≤1.15
3.5-2.92-MM-W-J	3.5mm Male	2.92mm Male	3.5 Male转2.92 Male, 直角弯头	DC-33GHz	≤1.25
3.5-2.92-MF-W-J	3.5mm Male	2.92mm Female	3.5 Male转2.92 Female, 直角弯头	DC-33GHz	≤1.25
3.5-2.92-FM-W-J	3.5mm Female	2.92mm Male	3.5 Female转2.92 Male, 直角弯头	DC-33GHz	≤1.25
3.5-2.92-FF-W-J	3.5mm Female	2.92mm Female	3.5 Female转2.92 Female, 直角弯头	DC-33GHz	≤1.25
3.5-2.4-MM-J	3.5mm Male	2.4mm Male	3.5 Male转2.4 Male	DC-33GHz	≤1.15
3.5-2.4-MF-J	3.5mm Male	2.4mm Female	3.5 Male转2.4 Female	DC-33GHz	≤1.15
3.5-2.4-FM-J	3.5mm Female	2.4mm Male	3.5 Female转2.4 Male	DC-33GHz	≤1.15
3.5-2.4-FF-J	3.5mm Female	2.4mm Female	3.5 Female转2.4 Female	DC-33GHz	≤1.15
3.5-2.4-MM-W-J	3.5mm Male	2.4mm Male	3.5 Male转2.4 Male, 直角弯头	DC-33GHz	≤1.25
3.5-2.4-MF-W-J	3.5mm Male	2.4mm Female	3.5 Male转2.4 Female, 直角弯头	DC-33GHz	≤1.25
3.5-2.4-FM-W-J	3.5mm Female	2.4mm Male	3.5 Female转2.4 Male, 直角弯头	DC-33GHz	≤1.25
3.5-2.4-FF-W-J	3.5mm Female	2.4mm Female	3.5 Female转2.4 Female, 直角弯头	DC-33GHz	≤1.25
3.5-1.85-MM-J	3.5mm Male	1.85mm Male	3.5 Male转1.85 Male	DC-33GHz	≤1.15
3.5-1.85-MF-J	3.5mm Male	1.85mm Female	3.5 Male转1.85 Female	DC-33GHz	≤1.15
3.5-1.85-FM-J	3.5mm Female	1.85mm Male	3.5 Female转1.85 Male	DC-33GHz	≤1.15
3.5-1.85-FF-J	3.5mm Female	1.85mm Female	3.5 Female转1.85 Female	DC-33GHz	≤1.15

## 毫米波转接器 (2.4mm/2.92mm/3.5mm/SMA/SMP/SSMA)

## SMA 系列

SMA系列转接器 (系列内/系列间)					
型号	连接器1	连接器2	描述	频率	驻波
SMA-MM-J	SMA Male	SMA Male	SMA Male转SMA Male	DC-27GHz	≤1.15
SMA-MF-J	SMA Male	SMA Female	SMA Male转SMA Female	DC-27GHz	≤1.15
SMA-FF-J	SMA Female	SMA Female	SMA Female转SMA Female	DC-27GHz	≤1.15
SMA-MM-BF-J	SMA Male	SMA Male	SMA Male转SMA Male, 四孔法兰	DC-27GHz	≤1.15
SMA-MF-BF-J	SMA Male	SMA Female	SMA Male转SMA Female, 四孔法兰	DC-27GHz	≤1.15
SMA-FF-BF-J	SMA Female	SMA Female	SMA Female转SMA Female, 四孔法兰	DC-27GHz	≤1.15
SMA-FF-BH-J	SMA Female	SMA Female	SMA Female转SMA Female, 螺纹穿墙	DC-27GHz	≤1.15
SMA-MF-BH-J	SMA Male	SMA Female	SMA Male转SMA Female, 螺纹穿墙	DC-27GHz	≤1.15
SMA-MFQ-J	SMA Male	SMA Female	SMA Male转SMA Female, 快插	DC-18GHz	≤1.20
SMA-MM-W-J	SMA Male	SMA Male	SMA Male转SMA Male, 直角弯头	DC-27GHz	≤1.25
SMA-MF-W-J	SMA Male	SMA Female	SMA Male转SMA Female, 直角弯头	DC-27GHz	≤1.25
SMA-FF-W-J	SMA Female	SMA Female	SMA Female转SMA Female, 直角弯头	DC-27GHz	≤1.25
SMA-SSMA-MM-J	SMA Male	SSMA Male	SMA Male转SSMA Male	DC-27GHz	≤1.15
SMA-SSMA-MF-J	SMA Male	SSMA Female	SMA Male转SSMA Female	DC-27GHz	≤1.15
SMA-SSMA-FM-J	SMA Female	SSMA Male	SMA Female转SSMA Male	DC-27GHz	≤1.15
SMA-SSMA-FF-J	SMA Female	SSMA Female	SMA Female转SSMA Female	DC-27GHz	≤1.15
SMA-SMP-MM-J	SMA Male	SMP Male	SMA Male转SMP Male	DC-27GHz	≤1.20
SMA-SMP-MF-J	SMA Male	SMP Female	SMA Male转SMP Female	DC-27GHz	≤1.20
SMA-SMP-FM-J	SMA Female	SMP Male	SMA Female转SMP Male	DC-27GHz	≤1.20
SMA-SMP-FF-J	SMA Female	SMP Female	SMA Female转SMP Female	DC-27GHz	≤1.20
SMA-3.5-MM-J	SMA Male	3.5mm Male	SMA Male转3.5 Male	DC-27GHz	≤1.15
SMA-3.5-MF-J	SMA Male	3.5mm Female	SMA Male转3.5 Female	DC-27GHz	≤1.15
SMA-3.5-FM-J	SMA Female	3.5mm Male	SMA Female转3.5 Male	DC-27GHz	≤1.15
SMA-3.5-FF-J	SMA Female	3.5mm Female	SMA Female转3.5 Female	DC-27GHz	≤1.15
SMA-2.92-MM-J	SMA Male	2.92mm Male	SMA Male转2.92 Male	DC-27GHz	≤1.15
SMA-2.92-MF-J	SMA Male	2.92mm Female	SMA Male转2.92 Female	DC-27GHz	≤1.15
SMA-2.92-FM-J	SMA Female	2.92mm Male	SMA Female转2.92 Male	DC-27GHz	≤1.15
SMA-2.92-FF-J	SMA Female	2.92mm Female	SMA Female转2.92 Female	DC-27GHz	≤1.15
SMA-2.4-MM-J	SMA Male	2.4mm Male	SMA Male转2.4 Male	DC-27GHz	≤1.15
SMA-2.4-MF-J	SMA Male	2.4mm Female	SMA Male转2.4 Female	DC-27GHz	≤1.15
SMA-2.4-FM-J	SMA Female	2.4mm Male	SMA Female转2.4 Male	DC-27GHz	≤1.15
SMA-2.4-FF-J	SMA Female	2.4mm Female	SMA Female转2.4 Female	DC-27GHz	≤1.15

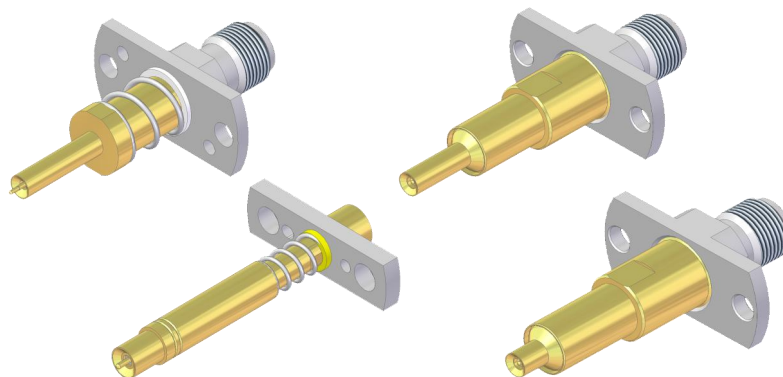
## 毫米波转接器 (2.4mm/2.92mm/3.5mm/SMA/N)

## N型 系列

N型系列转接器 (系列内/系列间)					
型号	连接器1	连接器2	描述	频率	驻波
N-MM-J	N Male	N Male	N Male转N Male	DC-18GHz	≤1.15
N-MF-J	N Male	N Female	N Male转N Female	DC-18GHz	≤1.15
N-FF-J	N Female	N Female	N Female转N Female	DC-18GHz	≤1.15
N-FF-BF-J	N Female	N Female	N Female转N Female, 四孔法兰	DC-18GHz	≤1.15
N-MF-BF-J	N Male	N Female	N Male转N Female, 四孔法兰	DC-18GHz	≤1.15
N-FF-BH-J	N Female	N Female	N Female转N Female, 螺纹穿墙	DC-18GHz	≤1.15
N-MM-W-J	N Male	N Male	N Male转N Male, 直角弯头	DC-18GHz	≤1.25
N-MF-W-J	N Male	N Female	N Male转N Female, 直角弯头	DC-18GHz	≤1.25
N-FF-W-J	N Female	N Female	N Female转N Female, 直角弯头	DC-18GHz	≤1.25
N-SMA-MM-J	N Male	SMA Male	N Male转SMA Male	DC-18GHz	≤1.20
N-SMA-MF-J	N Male	SMA Female	N Male转SMA Female	DC-18GHz	≤1.20
N-SMA-FM-J	N Female	SMA Male	N Female转SMA Male	DC-18GHz	≤1.20
N-SMA-MM-BF-J	N Female	SMA Female	N Female转SMA Female, 四孔法兰	DC-18GHz	≤1.15
N-SMA-FF-BF-J	N Female	SMA Female	N Female转SMA Female, 四孔法兰	DC-6GHz	≤1.15
N-SMA-FM-BF-J	N Female	SMA Male	N Female转SMA Male, 四孔法兰	DC-6GHz	≤1.15
N-SMA-FM-BH-J	N Female	SMA Male	N Female转SMA Male, 螺纹穿墙	DC-18GHz	≤1.15
N-3.5-MM-J	N Male	3.5mm Male	N Male转3.5 Male	DC-18GHz	≤1.20
N-3.5-MF-J	N Male	3.5mm Female	N Male转3.5 Female	DC-18GHz	≤1.15
N-3.5-FM-J	N Female	3.5mm Male	N Female转3.5 Male	DC-18GHz	≤1.20
N-3.5-FF-J	N Female	3.5mm Female	N Female转3.5 Female	DC-18GHz	≤1.15
N-2.92-MM-J	N Male	2.92mm Male	N Male转2.92 Male	DC-18GHz	≤1.25
N-2.92-MF-J	N Male	2.92mm Female	N Male转2.92 Female	DC-18GHz	≤1.25
N-2.92-FM-J	N Female	2.92mm Male	N Female转2.92 Male	DC-18GHz	≤1.25
N-2.92-FF-J	N Female	2.92mm Female	N Female转2.92 Female	DC-18GHz	≤1.25
N-2.4-MM-J	N Male	2.4mm Male	N Male转2.4 Male	DC-18GHz	≤1.15
N-2.4-MF-J	N Male	2.4mm Female	N Male转2.4 Female	DC-18GHz	≤1.25
N-2.4-FM-J	N Female	2.4mm Male	N Female转2.4 Male	DC-18GHz	≤1.15
N-2.4-FF-J	N Female	2.4mm Female	N Female转2.4 Female	DC-18GHz	≤1.15

适配Switch开关

- \*使用寿命高
- \*弹力耐用性好
- \*可客制化



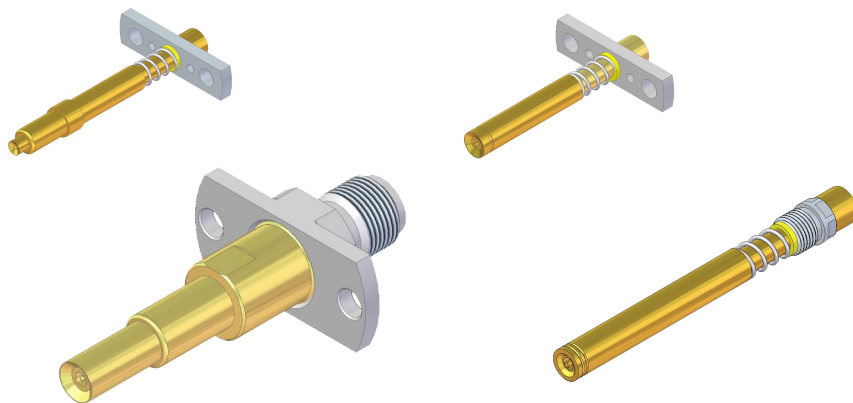
型号	连接器类型	区别	被测开关直径	几代	替代型号
MP180-SSPM29	SSMP-M		0.9mm	五代	MM206819
MP220-SF32	SMA-F	内导体弹力1.5	1.2mm	四代	MS-180-HRMJ-1
MP220-SF32B	SMA-F	内导体弹力2.3	1.2mm	四代	MS-180-HRMJ-1
MP180-SF33	SMA-F		1.2mm	四代	MM126515
MP220-MM35	ML51		1.2mm	四代	TMC-3191-6030
MP250-SF33	SMA-F		1.35MM	三代	MM126320
MP250-SSPM24	SSMP-M	信号针漏出0.73	1.35MM	三代	MM126417
MP250-SSPM24A	SSMP-M	信号针针漏出1.03	1.35MM	三代	MM126417
MP258-SF33	SMA-F		1.35MM	三代	MM126310
MP380-SF34	SMA-F		2.1MM	一代	MM126036
MP380-SF36	SMA-F		2.0MM	二代	MM126048
MP460-SF36	SMA-F		2.0MM	二代	MM126038

更多型号请在致电



适配Connector连接器

- \*使用寿命高
- \*弹力耐用性好
- \*可客制化



型号	连接器类型	区别	被测开关直径	几代	替代型号
MP260-SSPM18	SSMP-M		1.5mm	五代	91145-001
MP300-SSPM33	SSMP-M		1.5mm	五代	MM201511
MP220-SSPM24	SSMP-M		1.4MM	四代	MM201622
MP200-SF33	SMA-F		1.4MM	四代	MM121603
MP300-ML22	ML51-M		1.4MM	四代	X. FLP-ML51
MP300-SSPM20	SSMP-M		1.4MM	四代	J-PA(E)-ST
MP330-SF34	SMA-F		2.1MM	一代	HRMJ-U. FLP-ST
MP250-SSPM38	SSMP-M		2.1MM	一代	MM201554
MP380-ML23	ML51-M		2.1MM	一代	U. FLP-ML51. J-PA(F)-ST

更多型号请在致电

## 手扣测试线，适配Connector/Switch

- \*使用寿命高
- \*弹力耐用性好
- \*可客制化

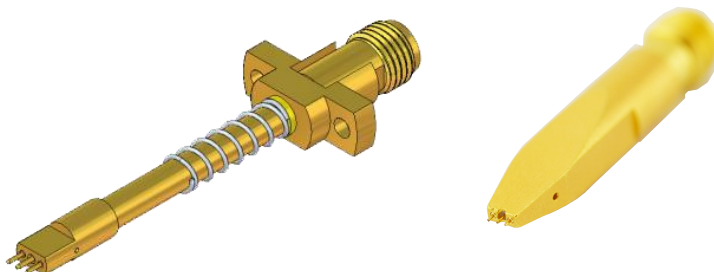


型号	连接器类型	频率	被测物直径	类型	替代型号
IP5-SF-300MM-148	SMA-Female	6G	5代connector	手口测试	
IP4-SF-300MM-137	SMA-Female	6G	4代connector	手口测试	
PK5-SF-300MM-137	SMA-Female	6G	5代Switch	手口测试	MXHQ87PK3000
MS1804-SF-300MM-137	SMA-Female	6G	4代Switch	手口测试	MS180LH1-HRMJ-088V100
PA4-SF-300MM-137	SMA-Female	6G	4代Switch	手口测试	MXHQ87PA3000
WL3-SF-300MM-137	SMA-Female	6G	3代Switch	手口测试	MXHQ87WL4000
WA3-SF-300MM-137	SMA-Female	6G	3代Switch	手口测试	MXHQ87WA3000
WJ3-SF-300MM-113	SMA-Female	6G	3代Switch	手口测试	MXHQ87WJ3000
QE1-SF-300MM-148	SMA-Female	6G	1代Switch	手口测试	MXSHS83QE3000

更多型号请在致电

## 适配PCB微带线

- \*使用寿命高
- \*GS/GSG多种形式选择
- \*可客制化



型号	连接器类型	使用频率	被测物直径	结构方式
MP260-CXF43	MCX-F		同心圆3mm	同心圆
MP270-SF34	SMA-F		同心圆3mm	同心圆
MP350-SF34	SMA-F		同心圆3mm	同心圆
MP400-CXF44	MCX-F		单边间距1.35	GSG
MP477-SF40	SMA-F		单边间距1.5	GSG
MP477-SF80	SMA-F		单边间距3	GSG
EP-20V-1-08	3.5-F	20G	单边间距0.8	GS
EP-20V-1-15/25	3.5-F	20G	单边双间距1.5&2.5	GGSGG
EP-20B-1-08	3.5-F	20G	单边间距0.8	GSG
EP-20B-1-15/25	3.5-F	20G	单边双间距1.5&2.5	GGSGG
EP-40V-1-08	2.92-F	40G	单边间距0.8	GS
EP-40V-1-15/25	2.92-F	40G	单边双间距1.5&2.5	GGSGG
EP-40B-1-08	2.92-F	40G	单边间距0.8	GSG
EP-40B-1-15/25	2.92-F	40G	单边双间距1.5&2.5	GGSGG
MP940-SF126	SMA-F	26.5GHz	0.2-3mm可调	双信号针

更多型号请在致电

## 单通道同轴旋转关节 (2.4mm/2.92mm/3.5mm)

- \*最高频率可达50GHz
- \*体积小，重量轻
- \*稳定性高



型号	CRJ-35-30	CRJ-29-40	CRJ-24-50
频率 (GHz)	DC-30	DC-40	DC-50
驻波	≤1.30	≤1.60	≤1.70
驻波变化	N/A	≤0.05	≤0.05
损耗 (dB)	≤0.7	≤0.9	≤1.2
损耗变化 (dB)	≤0.02	≤0.02	≤0.02
相位变化 (°)	≤2	≤2	≤5
功率 (W)	200	200	150
连接器类型	3.5MM	2.92MM	2.4MM
使用寿命 (次)	100万	100万	50万

## AT——同轴衰减器 (DC-67GHz)

- \*最高频率可达67GHz
- \*多种功率可选择
- \*连接器种类丰富



型号	工作频段 (GHz)	频率功率 (W)	衰减值及精度 (dB)				驻波比	连接器形式
			10	20	30	40		
AT2-67-18-XdB	DC-67	2	-0.6/+0.9	-0.7/+1.0	-0.8/+0.8	-0.9/+1.0	<1.30	1.85MM (M, F)
AT5-67-18-XdB	DC-67	5	-0.7/+1.0	-0.8/+1.2	-0.8/+0.8	-0.9/+1.2	<1.45	1.85MM (M, F)
AT10-67-18-XdB	DC-67	10	-1.5/+1.8	-1.2/+1.5	-1.2/+1.5	-1.2/+1.5	<1.45	1.85MM (M, F)
AT2-50-24-XdB	DC-50	2	-0.6/+0.9	-0.7/+1.0	-0.8/+0.8	-0.9/+1.0	<1.30	2.4MM (M, F)
AT5-50-24-XdB	DC-50	5	-0.7/+1.0	-0.8/+1.2	-0.8/+0.8	-0.9/+1.2	<1.35	2.4MM (M, F)
AT10-50-24-XdB	DC-50	10	-1.5/+1.8	-1.2/+1.5	-1.2/+1.5	-1.2/+1.5	<1.35	2.4MM (M, F)
AT20-50-24-XdB	DC-50	20	-2.0/+2.2	-1.2/+1.5	-1.2/+1.5	-1.2/+1.5	<1.40	2.4MM (M, F)
AT2-40-29-XdB	DC-40	2	-0.5/+0.8	-0.7/+0.9	-0.7/+0.7	-0.9/+1.0	<1.25	2.92MM (M, F)
AT5-40-29-XdB	DC-40	5	-0.7/+1.0	-0.7/+1.0	-0.8/+0.8	-0.9/+1.0	<1.30	2.92MM (M, F)
AT10-40-29-XdB	DC-40	10	-0.7/+1.0	-0.7/+1.0	-0.8/+0.8	-0.9/+1.0	<1.30	2.92MM (M, F)
AT20-40-29-XdB	DC-40	20	-1.2/+1.5	-1.0/+1.0	-1.0/+1.0	-1.0/+1.0	<1.30	2.92MM (M, F)
AT30-40-29-XdB	DC-40	30	-2.0/+2.2	-1.5/+1.8	-1.5/+1.8	-1.5/+1.8	<1.30	2.92MM (M, F)
AT40-40-29-XdB	DC-40	40	-2.2/+3.0	-1.8/+2.2	-1.8/+2.0	-1.8/+2.0	<1.40	2.92MM (M, F)

型号	工作频段 (GHz)	频率功率 (W)	衰减值及精度 (dB)					驻波比	连接器形式
			1-9	10	20	30	40		
AT2-6-S-XdB	DC-6	2	±0.5	±0.5	±0.6	±0.6	/	1.2	SMA (M, F)
AT2-18-S-XdB	DC-18	2	±1.0	±1.0	±0.8	±0.8	/	1.35	SMA (M, F)
AT2-6-N-XdB	DC-6	2	±0.5	±0.5	±0.6	±0.8	/	1.25	SMA (M, F)
AT2-18-N-XdB	DC-18	2	±0.7	±0.7	±0.8	±1.0	/	1.35	SMA (M, F)
AT10-6-S-XdB	DC-6	10	±0.4	±0.4	±0.5	±0.5	±0.8	1.25	SMA (M, F)
AT10-18-S-XdB	DC-18	10	±0.8	±0.8	±1.0	±1.0	±1.0	1.3	N (M, F)
AT10-6-N-XdB	DC-6	10	±0.5	±0.5	±0.6	±0.8	±0.8	1.25	N (M, F)
AT10-18-N-XdB	DC-18	10	±0.6	±0.6	±0.8	±1.0	±1.2	1.45	N (M, F)
AT25-6-N-XdB	DC-6	25	±0.5	±0.5	±0.6	±0.8	/	1.25	N (M, F)
AT25-18-N-XdB	DC-18	25	±0.8	±0.8	±0.9	±1.1	/	1.45	N (M, F)
AT50-6-N-XdB	DC-6	50	±0.5	±0.5	±0.6	±0.8	/	1.25	N (M, F)
AT50-18-N-XdB	DC-18	50	±0.8	±0.8	±0.9	±1.0	/	1.45	N (M, F)
AT100-6-N-XdB	DC-6	100	±0.8	±0.8	±0.8	±0.9	/	1.25	N (M, F)
AT100-18-N-XdB	DC-18	100	±1.5	±1.5	±1.5	±1.3	/	1.45	N (M, F)
AT150-6-N-XdB	DC-6	150	±0.8	±0.8	±0.8	±0.9	/	1.25	N (M, F)
AT150-18-N-XdB	DC-18	150	±2.0	±2.0	±1.5	±1.5	/	1.45	N (M, F)
AT200-6-N-XdB	DC-6	200	/	±0.8	±0.8	±0.9	/	1.25	N (M, F)
AT200-18-N-XdB	DC-18	200	/	±2.5	±2.0	±1.5	/	1.45	N (M, F)
AT300-6-N-XdB	DC-6	300	/	/	±1.5	±0.9	±0.9	1.25	N (M, F)
AT300-18-N-XdB	DC-18	300	/	/	/	±0.6	±1.5	1.45	N (M, F)
AT500-6-N-XdB	DC-6	500	/	-0.25	±2.0	±1.5	±1.1	1.3	N (M, F)
AT500-18-N-XdB	DC-18	500	/	±6.0	±0.5	0/+0.6	±1.5	1.5	N (M, F)

更多型号请在致电

## L——同轴负载 (DC-67GHz)

- \*最高频率可达67GHz
- \*多种功率可选择
- \*连接器种类丰富

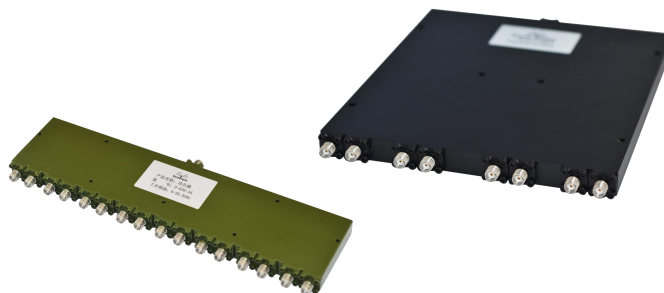


型号	工作频段 (GHz)	频率功率 (W)	驻波比	连接器形式
L2-18M67	DC-67	2	<1.55	1.85MM (Male)
L2-18F67	DC-67	2	<1.55	1.85MM (Female)
L2-24M50	DC-50	2	<1.30	2.4MM (Male)
L5-24M50	DC-50	5	<1.30	2.4MM (Male)
L8-24M50	DC-50	8	<1.30	2.4MM (Male)
L10-24M50	DC-50	10	<1.30	2.4MM (Male)
L15-24M50	DC-50	15	<1.30	2.4MM (Male)
L20-24M50	DC-50	20	<1.35	2.4MM (Male)
L30-24M50	DC-50	30	<1.35	2.4MM (Male)
L35-24M50	DC-50	35	<1.40	2.4MM (Male)
L2-29M40	DC-40	2	<1.25	2.92MM (Male)
L5-29M40	DC-40	5	<1.30	2.92MM (Male)
L10-29M40	DC-40	10	<1.30	2.92MM (Male)
L15-29M40	DC-40	15	<1.30	2.92MM (Male)
L20-29M40	DC-40	20	<1.30	2.92MM (Male)
L25-29M40	DC-40	25	<1.30	2.92MM (Male)
L30-29M40	DC-40	30	<1.30	2.92MM (Male)
L35-29M40	DC-40	35	<1.30	2.92MM (Male)
L40-29M40	DC-40	40	<1.40	2.92MM (Male)
L45-29M40	DC-40	45	<1.40	2.92MM (Male)
L50-29M40	DC-40	50	<1.40	2.92MM (Male)
L2-SM18	DC-18	2	<1.35	SMA (Male)
L2-NM18	DC-18	2	<1.2	N (Male)
L10-SM6	DC-6	10	<1.15	SMA (Male)
L10-SM18	DC-18	10	<1.35	SMA (Male)
L10-NM6	DC-6	10	<1.25	N (Male)
L10-NM18	DC-18	10	<1.4	N (Male)
L20-SM6	DC-6	20	<1.25	SMA (Male)
L25-SM6	DC-6	25	<1.25	SMA (Male)
L25-SM18	DC-18	25	<1.4	SMA (Male)
L25-NM6	DC-6	25	<1.25	N (Male)
L25-NM18	DC-18	25	<1.4	N (Male)
L50-SM6	DC-6	50	<1.25	SMA (Male)
L50-SM18	DC-18	50	<1.4	SMA (Male)
L50-NM6	DC-6	50	<1.25	N (Male)
L50-NM18	DC-18	50	<1.4	N (Male)
L100-NM6	DC-6	100	<1.25	N (Male)
L100-NM18	DC-18	100	<1.45	N (Male)
L150-NM6	DC-6	150	<1.25	N (Male)
L150-NM18	DC-18	150	<1.45	N (Male)
L200-NM6	DC-6	200	<1.25	N (Male)
L200-NM18	DC-18	200	<1.45	N (Male)
L300-NM6	DC-6	300	<1.25	N (Male)
L300-NM18	DC-18	300	<1.45	N (Male)
L500-NM6	DC-6	500	<1.25	N (Male)
L500-NM18	DC-18	500	<1.45	N (Male)

更多型号请在致电

## D——功分器 (DC-50GHz)

- \*最高频率可达50GHz
- \*小型化、结构紧凑、质量高
- \*体积小，隔离性高，插入损耗低

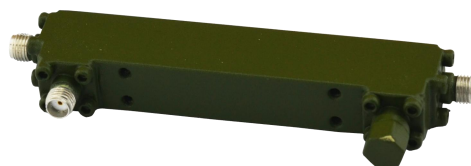


型号 Part Number	频率 Frequency Range (MHz)	路数 Way	插损 Insertion Loss (dB)	驻波 VSWR	隔离 Isolation (dB)	尺寸 DIMENSION L×W×H (mm)
D-400/420-8S	400-420MHZ	8	≤1.5dB	≤1.3 : 1	≥20dB	123x102x10
D-0.5/2-2AS	500-2000MHZ	2	≤0.7dB	≤1.30 : 1	≥20dB	54x33x10
D-0.8/3-2N	800-3000MHZ	2	≤0.5dB	≤1.30 : 1	≥21dB	56x55x20
D-0.8/3-4N	800-3000MHZ	4	≤1.2dB	≤1.30 : 1	≥20dB	113x81x20
D-0.8/3-16S	800-3000MHZ	16	≤2.5dB	≤1.60 : 1	≥18dB	223x93x14
D-1/4-3AS	1000-4000MHZ	3	≤1.2dB	≤1.40 : 1	≥18dB	89x41x10
D-1/4-6AS	1000-4000MHZ	6	≤2.2dB	≤1.50 : 1	≥18dB	102x84x10
D-2/6-3S	2000-6000MHZ	3	≤1.3dB	≤1.45 : 1	≥18dB	74x46x10
D-2/6-6S	2000-6000MHZ	6	≤1.8dB	≤1.50 : 1	≥18dB	83x88x10
D-2/8-6S	2000-8000MHZ	6	≤1.8dB	≤1.50 : 1	≥18dB	83x88x10
D-2/8-8S	2000-8000MHZ	8	≤1.9dB	≤1.40 : 1	≥18dB	120x75x10
D-2/8-16S	2000-8000MHZ	16	≤3.0dB	≤1.50 : 1	≥16dB	220x88x10
D-7.0/8.6-2S	7000-8600MHZ	2	≤1.5 dB	≤1.40 : 1	≥18 dB	27x29x12
D-6/12-8AS	6000-12000MHZ	8	≤2.7dB	≤1.70 : 1	≥16dB	108x47x10
D-8/12-2S	8000-12000MHZ	2	≤0.7dB	≤1.40 : 1	≥18dB	26x27x10
D-6/18-2AS	6000-18000MHZ	2	≤1.0dB	≤1.50 : 1	≥18dB	30x24x10
D-8/18-3S	8000-18000MHZ	3	≤2.2dB	≤1.60 : 1	≥16dB	37x27x10
D-12/18-2AS	12000-18000MHZ	2	≤0.7dB	≤1.50 : 1	≥18dB	24x30x10
D-0.5/6-2AS	500-6000MHZ	2	≤0.8 dB	≤1.45 : 1	≥18dB	121X27X10
D-0.5/6-4S	500-6000MHZ	4	≤2.0 dB	≤1.60 : 1	≥16dB	130X72X10
D-2/18-2AS	2000-18000MHZ	2	≤1.6dB	≤1.60 : 1	≥15dB	47X24X10
D-2/18-4AS	2000-18000MHZ	4	≤3.0dB	≤1.80 : 1	≥15dB	67X54X10
D-22/26-2s	22000-26000MHZ	2	≤1.5dB	≤1.80 : 1	≥15dB	26X19X10
D-18/26-2s	18000-26000MHZ	2	≤1.5dB	≤1.80 : 1	≥15dB	26X19X10
D-2/40-2S	2000-40000MHZ	2	≤1.8dB	≤1.60 : 1	≥16dB	56X26X10
D-0.5/40-2S	500-40000MHZ	2	≤3.6dB	≤1.60 : 1	≥15dB	149X26X12
D-18/40-6S	18000-40000MHZ	6	≤2.4dB	≤1.80 : 1	≥17dB	89X45X12
D-18/40-8S	18000-40000MHZ	8	≤3.6dB	≤1.70 : 1	≥17dB	106X30X12
D-2/50-2S	2000-50000MHZ	2	≤2.4dB	≤1.70 : 1	≥18dB	45X26X12
D-10/50-4S	10000-50000MHZ	4	≤2.6dB	≤1.70 : 1	≥16dB	44X38X12
D-10/50-4S	10000-50000MHZ	4	≤2.6dB	≤1.70 : 1	≥16dB	44X38X12

更多型号请在致电

DC——耦合器 (DC-40GHz)

- \*最高频率可达40GHz
- \*小型化、结构紧凑、质量高
- \*体积小，隔离性高，插入损耗低



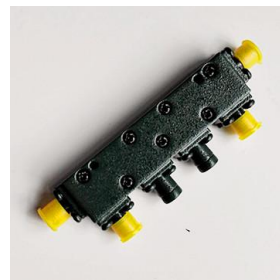
型号 Part Number	频率 Frequency Range	插损 Insertion Loss (dB)	方向性 Directivity (dB)	驻波 VSWR	耦合度 Coupling (dB)	功率 Power handling	尺寸 Dimensions (mm)
DC-5.3/5.9-6S	5300-5900MHz	1.9	20	1.3:1	6±0.7	30	50×25×13
DC-5.3/5.9-10S		1	20	1.3:1	10±0.7	30	
DC-1/4-6S	1000-4000MHz	1.8	18	1.35:1	6±1.0	30	130×25×13
DC-1/4-10S		0.9	18	1.35:1	10±1.0	30	
DC-1.7/2.5-6S	1700-2500MHz	1.8	20	1.3:1	6±0.7	30	82×25×13
DC-1.7/2.5-15S		0.5	20	1.3:1	15±0.7	30	
DC-1/2-6S	1000-2000MHz	1.8	20	1.3:1	6±0.7	30	70×25×13
DC-1/2-10S		0.9	20	1.3:1	10±0.7	30	
DC-2/4-6S	2000-4000MHz	1.8	20	1.3:1	6±1.0	30	60×25×13
DC-2/4-10S		0.9	20	1.3:1	10±1.0	30	
DC-3.4/4.2-6S	3400-4200MHz	1.8	20	1.3:1	6±0.7	30	50×25×13
DC-3.4/4.2-10S		0.9	20	1.3:1	10±0.7	30	
DC-2/8-10S	2000-8000MHz	1	18	1.3:1	10±1	5	43x15x11
DC-2/8-20S	2000-8000MHz	0.5	18	1.3:1	20±1	10	43x18x12
DC-0.4/6-10S	400-6000MHz	1.2	15	1.3:1	10±1.2	30	170x17x11
DC-0.4/12-10S	400-12000MHz	2	15	1.6:1	10±1.2	30	170x17x11
DC-1/18-10S	1000-18000MHz	1.5	10	1.65:1	10±1.5	10	71x15x11
DC-2/18-6S	2000-18000MHz	2.5	12	1.5:1	6±1	50	44x15x14
DC-2/18-10S	2000-18000MHz	2	12	1.5:1	10±1	50	44x15x14
DC-2/18-15S	2000-18000MHz	1.8	12	1.5:1	15±1	50	44x15x14
DC-4/18-30S	4000-18000MHz	1	14	1.5:1	30±1.5	50	43x18x13
DC-6/18-10S	6000-18000MHz	2	15	1.5:1	10±1	30	44x20x14
DC-18/26-10S	18000-26000MHz	1.4	10	1.6:1	10±1	30	26*15*11
DC-18/26-20S	18000-26000MHz	1.2	10	1.6:1	20±1	30	26*15*11
DC-26/40-10S	26000-40000MHz	1.3	10	1.6:1	10±1	30	26*15*11
DC-26/40-20S	26000-40000MHz	1.2	10	1.6:1	20±1	30	26*15*11

更多型号请在致电



## DDC——双定向耦合器 (DC-26GHz)

- \*最高频率可达40GHz
- \*小型化、结构紧凑、质量高
- \*体积小，隔离性高，插入损耗低

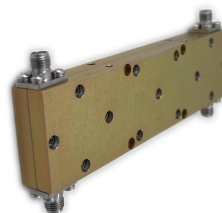


型号 Part Number	频率 Frequency Range	插损 Insertion Loss (dB)	方向性 Directivity (dB)	驻波 VSWR	耦合度 Coupling (dB)	功率 Power handling	尺寸 Dimensions (mm)
DDC-0.5/1-6S	500-1000MHz	0.5	22	1.15	6±1.25	50	160*15*11
DDC-0.5/1-10S		0.5	22	1.15	10±1.25	50	
DDC-0.5/1-20S		0.5	22	1.15	20±1.25	50	
DDC-0.5/1-30S		0.4	22	1.15	30±1.25	50	
DDC-2/4-6S	2000-4000MHz	0.7	20	1.2:1	6±1.25	50	65×15×11
DDC-2/4-10S		0.6	20	1.2:1	10±1.25	50	
DDC-2/4-20S		0.5	18	1.2:1	20±1.25	50	
DDC-2/4-30S		0.4	18	1.2:1	30±1.25	50	
DDC-2/6-6S	2000-6000MHz	0.5	15	1.25	30±1.25	50	43×26×11
DDC-2/6-10S		0.5	15	1.25	30±1.25	50	
DDC-2/6-20S		0.5	15	1.25	30±1.25	50	
DDC-2/6-30S		0.4	15	1.25	30±1.25	50	
DDC-2/6-40S		0.3	15	1.25	40±1.25	50	
DDC-7/12.4-20S	7000-12400MHz	0.7	13	1.45:1	20±1.25	50	50.8×15×11
DDC-7/12.4-30S		0.7	13	1.45:1	20±1.25	50	50.8×15×11
DDC-12.4/18-20S	12400-18000MHz	1	12	1.5:1	20±1.25	50	50.8×16×11
DDC-12.4/18-30S		1	12	1.5:1	30±1.25	50	
DDC-8/16-6S	8000-16000MHz	1.2	12	1.5:1	20±1.25	50	50.8×16×11
DDC-8/16-10S		1.2	12	1.5:1	20±1.25	50	50.8×16×11
DDC-8/16-20S		1	12	1.5:1	20±1.25	50	50.8×16×11
DDC-8/16-30S		1	12	1.5:1	30±1.25	50	50.8×16×11
DDC-8/26-10S	8000-26000MHz	1.8	10	1.6:1	20±1.25	50	60.5×16×11
DDC-8/26-20S		1.6	10	1.6:1	20±1.25	50	
DDC-8/26-30S		16	10	1.6:1	30±1.25	50	

更多型号请在致电

DQ——3dB电桥/大功率电桥 (DC-50GHz)

- \*最高频率可达50GHz
- \*小型化、结构紧凑、质量高
- \*体积小，隔离性高，插入损耗低



电桥

型号 Part Number	频率 Frequency Range (MHz)	插损 Insertion Loss	驻波 VSWR	隔离 Isolation	功率 Power Handling	接头 Connector	度数 degree	外形 Outline (mm)
DQ-2/6-90s	2000-6000MHZ	≤0.7dB	≤1.35:1	18 dB	50W	Sma-Female	90°	50.8*20*11
DQ-0.7/10-90S	700-10000MHZ	≤1.5dB	≤1.5:1	18dB	50W	Sma-Female	90°	101*36*11
DQ-200/500-90S	200-500MHZ	≤1.0dB	≤1.4:1	18dB	50W	Sma-Female	90°	60*25*11
DQ-500/1000-90S	500-1000MHZ	≤0.6dB	≤1.3:1	20 dB	50W	Sma-Female	90°	157*22*11
DQ-1.4/2.4-90S	1400-2400MHZ	≤0.3dB	≤1.3:1	22 dB	50W	Sma-Female	90°	120*22*11
DQ-13.4/13.6-90S	13400-13600MHZ	≤0.6dB	≤1.5:1	14 dB	50W	Sma-Female	90°	25.7*13*11
DQ-0.8/6-90S	800-6000MHZ	≤1.0dB	≤1.4:1	16dB	50W	Sma-Female	90°	117.5*27*11
DQ-1.4/2.4-180S	1400-2400MHZ	≤0.3dB	≤1.4:1	22dB	50W	Sma-Female	180°	64*60*13
DQ-2/8-180s	2000-8000MHZ	≤0.7dB	≤1.35:1	15dB	50W	Sma-Female	180°	82*36*11
DQ-0.5/3-180S	500-1000MHZ	≤2dB	≤1.4:1	20dB	50W	Sma-Female	180°	262*36*11
DQ-1/2-180S	1000-2000MHZ	≤0.6dB	≤1.4:1	22dB	50W	Sma-Female	180°	76*60*13
DQ-2.2/2.3-180S	2200-2300MHZ	≤0.5dB	≤1.35:1	20dB	50W	Sma-Female	180°	53*48*13
DQ-8/8.5-180S	8000-8500MHZ	≤0.5dB	≤1.5:1	18dB	50W	Sma-Female	180°	41*36*11

大功率电桥

型号 Part Number	频率 Frequency Range (MHz)	插损 Insertion Loss (dB)	驻波 VSWR	耦合度 Coupling	功率 Power Handling	接头 Connector
DDQ-0.8/2.2-3dB-DIN	800-2200MHZ	≤0.5dB	≤1.25:1	3±0.5 dB	200W	DIN-Female
DDQ-0.8/2.2-3dB-NA	800-2200MHZ	≤0.5dB	≤1.25:1	3±0.5 dB	200W	N-Female
DDQ-0.8/2.5-3dB-DIN	800-2500MHZ	≤0.5dB	≤1.3:1	3±0.5 dB	200W	DIN-Female
DDQ-0.8/2.5-3dB-NA	800-2500MHZ	≤0.5dB	≤1.3:1	3±0.5 dB	200W	N-Female
DDQ-0.8/2.7-3dB-3NA	800-2700MHZ	≤0.5dB	≤1.3:1	3±0.6 dB	200W	N-Female
DDQ-0.7/2.7-3dB-3NA	700-2700MHZ	≤0.5dB	≤1.3:1	3±0.8 dB	200W	N-Female

更多型号请在致电

## BF——滤波器

- \*低插入损耗，高隔离，更好的相位平衡
- \*温度稳定，在极端温度下保持规格
- \*高质量，低价格，快速交货。



型号 Part Number	频率 Frequency Range (MHz)	插损 Insertion Loss (dB)	驻波比 VSWR	连接器类型 Connector type	Rejection
BF-160/20-Q7	150~170MHz	≤1.0dB	≤1.5	N-Female 50Ω	≥30dBc@140MHz ≥36dBc@180MHz
BF-305/30-Q7	290~320MHz	≤1.5dB	≤1.3	SMA-Female 50Ω	≥50dBc@270MHz ≥50dBc@350MHz
BF-600/400-J11	400-800MHz	≤1.5dB	≤2.0	SMA-Female 50Ω	≥50dB@300MHz ≥50dB@900MHz
BF-1050/500-J13	850-1300MHz	≤1.5 dB	≤1.7	SMA-Female 50Ω	≥50dB@700MHz ≥50dB@1450MHz
BF-2586/172-Q10F	2500-2672MHz	≤1.5dB	≤1.3	N-Female	≥35dB@2480MHz ≥40dB@2715MHz
BF-10500/100-S5	10450-10550MHz	≤2.0dB	≤1.5	SMA-Female 50Ω	≥50dB@10200MHz ≥50dB@10800MHz
BF-GSM850-1	869-894MHz	≤1.2dB	≤1.3	SMA-Female 50Ω	≥50dB @ DC~864MHz ≥50dB @ 899~2500MHz
BF-PHS-12D	1893-1915MHz	≤1.1dB	≤1.2	SMA-Female 50Ω	≥47dB @ 1805~1883MHz ≥47dB @ 1925~1980MHz
BF-SMR-3	851-869MHz	<2.1dB	<1.50	N-Female 50Ω	≥52dB@849MHz ≥40dB@871MHz
BF-1176/24-Q6S	1164.45-1188.45MHz	≤1.0dB	≤1.3	SMA-Female 50Ω	≥100dB@1096.45MHz ≥100dB@1307.6MHz
BF-1400/160-Q6	1320~1480MHz	≤4.0dB	≤1.3	SMA-Female 50Ω	≥60dB@DC-975MHz ≥40dB@1875-4000MHz

更多型号请在致电