

BT-0116

偏置器(Bias T)

50Ω 0.1-16GHz



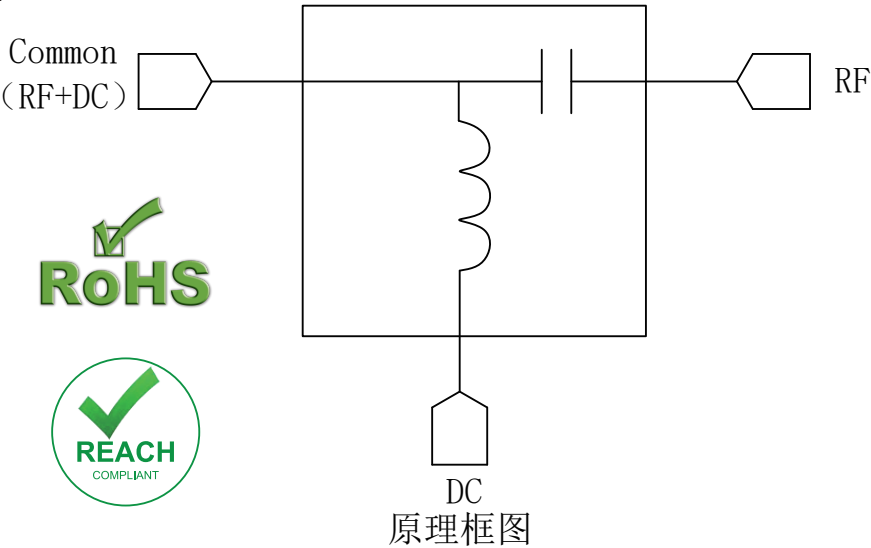
特点

- 小尺寸: 3.0*3.0*1.45mm
- 宽带: 0.1-16GHz
- 高隔离

应用场合

- 4/5G基站通信系统
- WiFi、WLAN
- Zigbee、Bluetooth

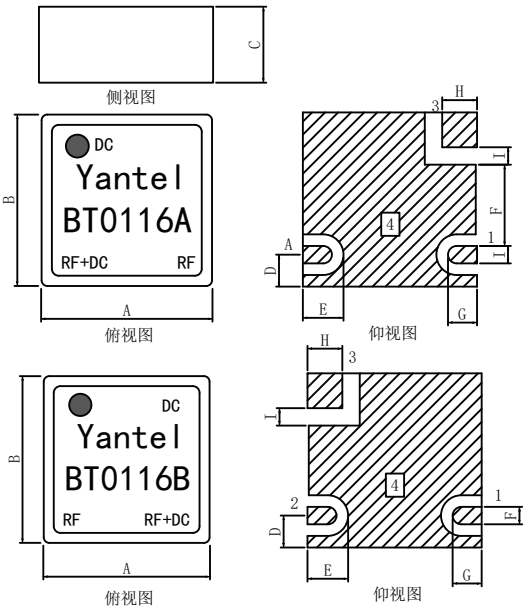
电性能参数(室温25°C)



参数	频率GHz	最小值	典型值	最大值	单位
频率范围		0.1		16	GHz
插入损耗	0.1-16		0.8	1.0	dB
公共端(RF+DC)回波损耗	0.1-16	10	15		dB
RF端回波损耗	0.1-16	10	15		dB
RF-DC隔离度	0.1-16		25		dB
直流电阻			1.5		Ω
耐压				20	V
耐电流				220	mA

尺寸及端口定义

A	B	C	D	E	F
3	3	1.45	0.55	0.7	0.3
G	H	I			
0.5	0.6	0.3			
端口	功能-封装A		端口	功能-封装B	
1	RF+DC Port		1	RF Port	
2	RF Poit		2	RF+DC Port	
3	DC Port		3	DC Port	
4	GND		4	GND	



Yantel Corporation

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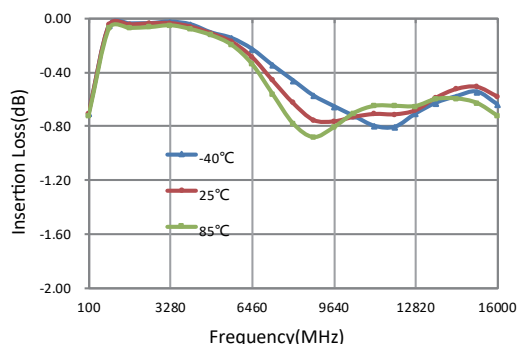
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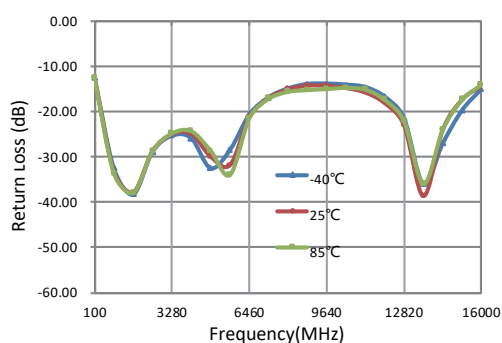
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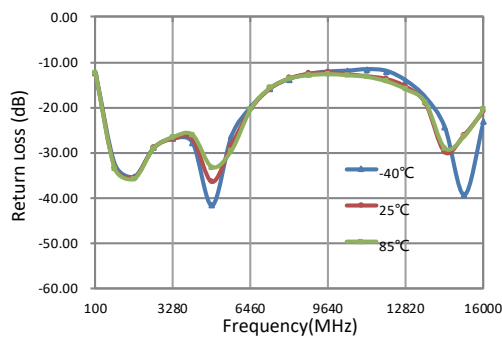
典型特性曲线



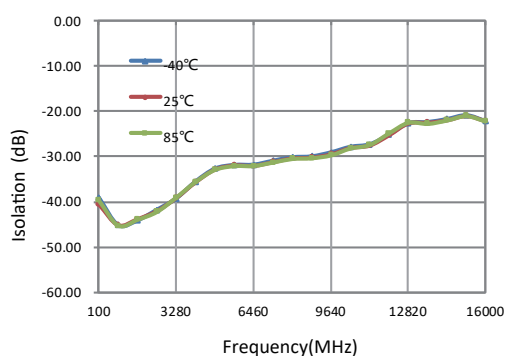
插入损耗



公共端(RF+DC)回波损耗



RF端回波损耗



RF-DC隔离度

插入损耗			
T(°C)	-40°C	25°C	85°C
F(GHz)			
0.1	-0.70	-0.70	-0.72
1.7	-0.04	-0.04	-0.07
3.3	-0.03	-0.03	-0.05
4.9	-0.11	-0.11	-0.12
6.5	-0.23	-0.28	-0.34
8.1	-0.46	-0.62	-0.78
9.7	-0.65	-0.76	-0.81
11.2	-0.80	-0.71	-0.65
12.8	-0.71	-0.68	-0.65
14.4	-0.58	-0.52	-0.59
16	-0.64	-0.58	-0.72

公共端(RF+DC)回波损耗			
T(°C)	-40°C	25°C	85°C
F(GHz)			
0.1	-12.43	-12.45	-12.45
1.7	-38.19	-37.93	-37.96
3.3	-25.29	-24.92	-24.74
4.9	-32.42	-29.92	-28.55
6.5	-20.63	-21.19	-21.37
8.1	-14.92	-14.94	-15.50
9.7	-13.84	-14.12	-14.86
11.2	-14.61	-15.64	-15.02
12.8	-21.50	-22.97	-22.03
14.4	-26.93	-23.90	-23.88
16	-15.03	-14.21	-13.87

RF端回波损耗			
T(°C)	-40°C	25°C	85°C
F(GHz)			
0.1	-12.47	-12.43	-12.43
1.7	-35.26	-35.47	-35.85
3.3	-26.85	-26.84	-26.58
4.9	-41.58	-36.42	-33.27
6.5	-19.95	-20.23	-20.31
8.1	-13.75	-13.46	-13.55
9.7	-12.15	-12.16	-12.58
11.2	-11.63	-13.01	-13.20
12.8	-14.15	-15.35	-15.98
14.4	-24.42	-29.85	-29.09
16	-23.06	-20.73	-20.43

RF-DC隔离度			
T(°C)	-40°C	25°C	85°C
F(GHz)			
0.1	-39.11	-40.57	-39.67
1.7	-44.13	-43.86	-43.95
3.3	-39.27	-39.17	-39.04
4.9	-32.68	-32.87	-32.90
6.5	-31.80	-32.04	-32.04
8.1	-30.16	-30.39	-30.48
9.7	-29.07	-29.49	-29.68
11.2	-27.28	-27.53	-27.39
12.8	-22.60	-22.63	-22.46
14.4	-21.69	-21.94	-21.95
16	-22.17	-22.14	-22.18

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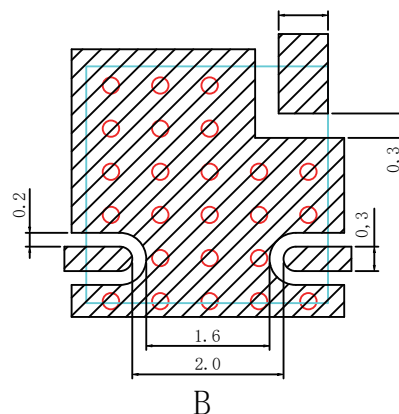
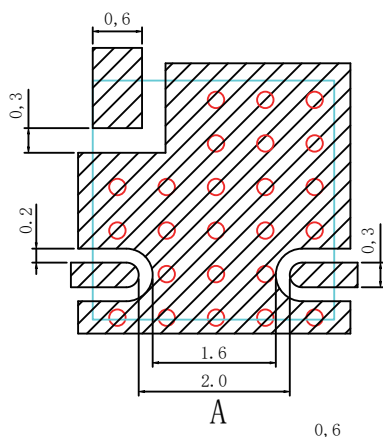
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推荐测试板布局



- RO4350双面测试板，背面连续地平面。
- 微带信号线阻抗50Ω。
- 单位:mm



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