

Part No.: TLDP360A3G6G -6

360° Phase Shift 3-6GHz

电气特性 Electrical:

工作频率 Frequency Range: 3-6 GHz

插入损耗 Insertion Loss: $\leq 11\text{dB}$

驻波 VSWR: $\leq 2.5:1$

控制步进 Control Step size: 5.6°

控制位数 Control Bits: 6 bit

移项 Phase Range: 354.3° Typ.

相位 Phase Flatness: $\pm 12^\circ \text{ Typ.}$

Power Handling Input Power for

1 dB Compression: 31dBm

电流 bias control current : 15 mA.

机械特性 Mechanical :

温度范围 Temperature Range: $-40^\circ \text{ C} - +85^\circ \text{ C}$

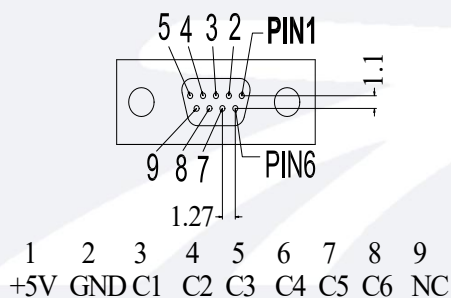
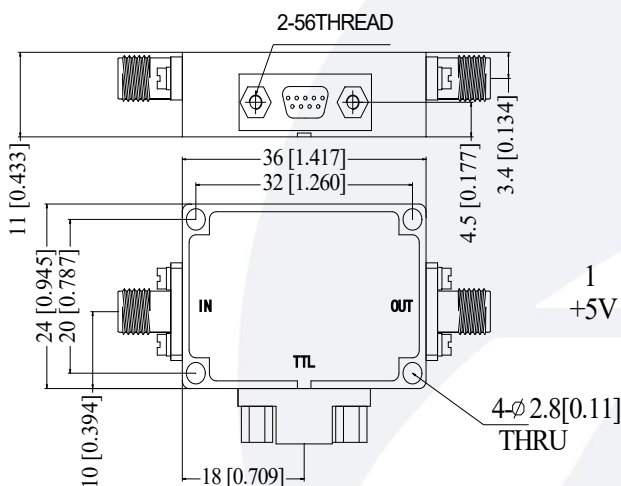
阻抗 Impedance: 50 OHMS

接口 Connectors: Micro-D9 /SMA-Female

相对湿度 Relative Humidity: 0 ~ 90%

外形尺寸 Outline Drawing:

Unit: mm



MICRO-D9(Female)

Truth Table

Control Voltage Input						Phase Shift (Degree)
C6	C5	C4	C3	C2	C1	
0	0	0	0	0	0	Reference
0	0	0	0	0	1	5.6
0	0	0	0	1	0	11.25
0	0	0	1	0	0	22.5
0	0	1	0	0	0	45
0	1	0	0	0	0	90
1	0	0	0	0	0	180
1	1	1	1	1	1	354.3

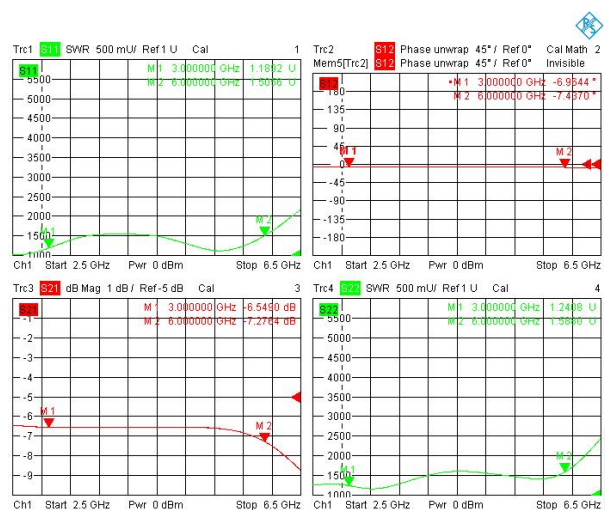
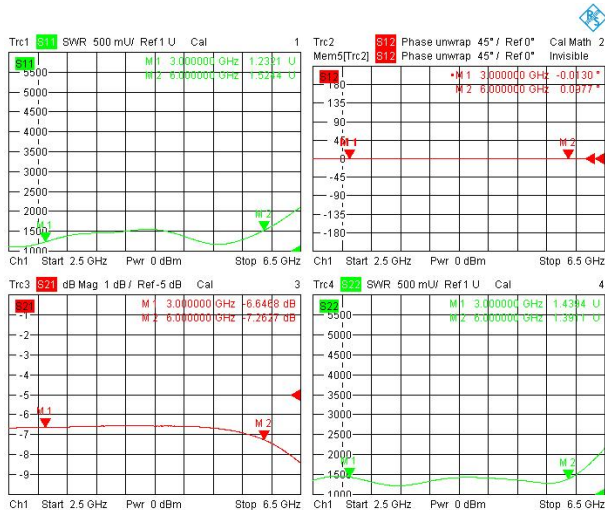
Absolute Maximum Ratings

Control Voltage	+5.5V
TTL Control Voltage	0~+0.2V /+3.3~+5V
RF Input power	+32dBm

Test Data

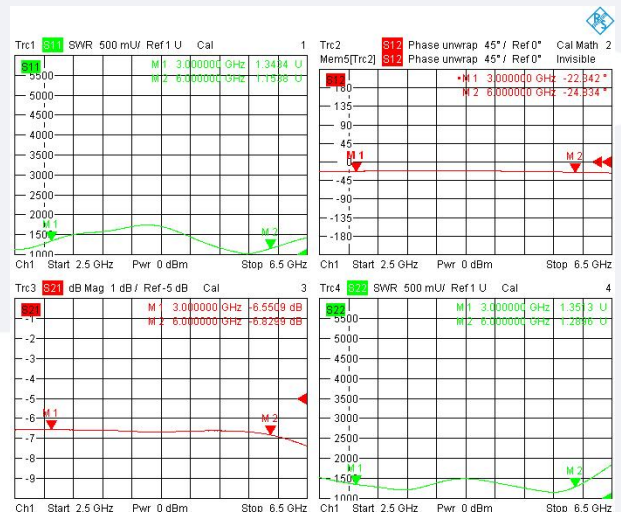
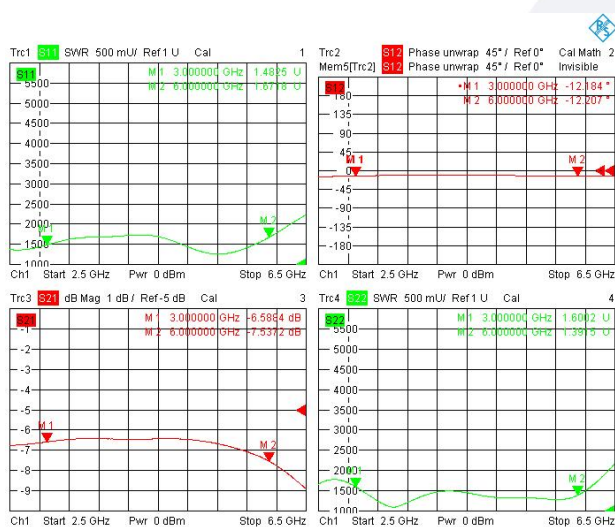
Phase: 0°

Phase: 5.6°



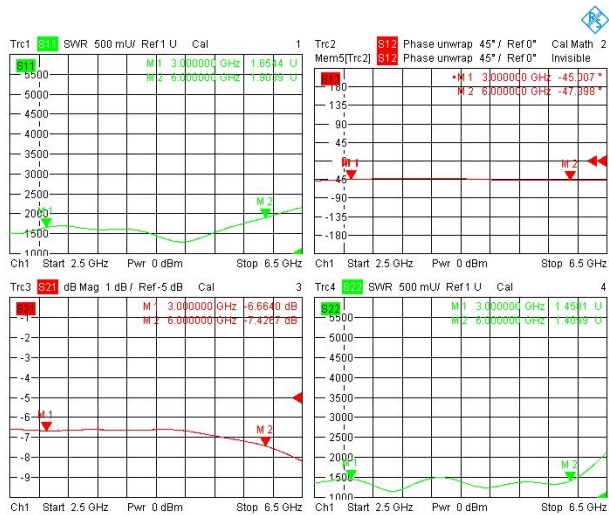
Phase: 11.2°

Phase: 22.5°

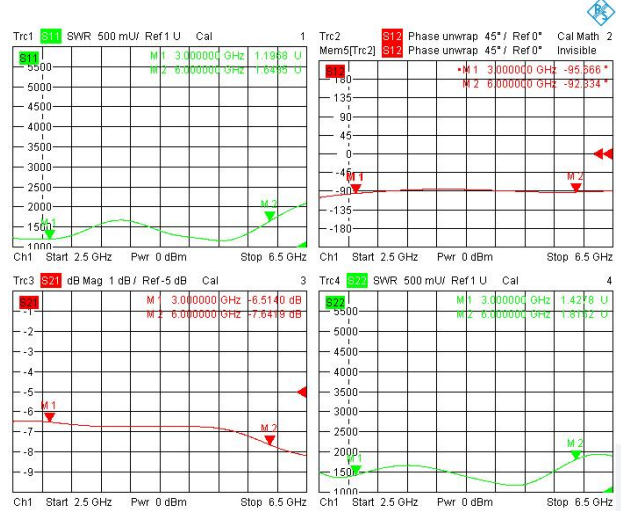


Test Data

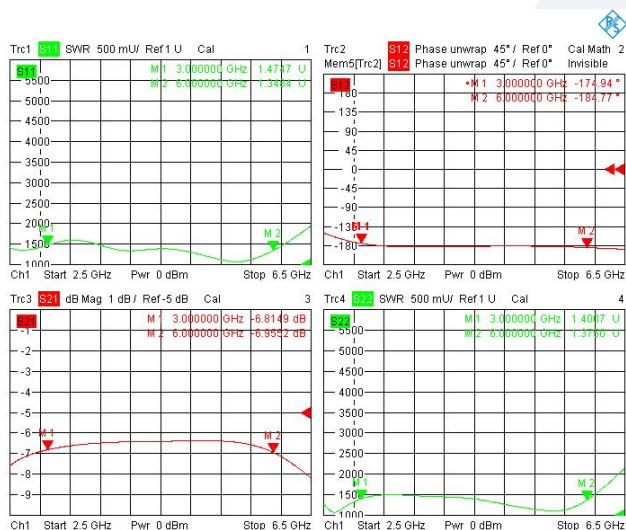
Phase: 45°



Phase: 90°



Phase: 180°



Phase: 354°

