

Part No.: TLDP8G12G-360-6A

360° Phase Shift 8-12GHz

电气特性 Electrical:

工作频率 Frequency Range: 8-12 GHz

插入损耗 Insertion Loss: $\leq 8.5\text{dB}$, 7.5dB Typ.

驻波 VSWR: ≤ 1.8 , 1.5 Typ

控制步进 Control Step size: 5.625 °

控制位数 Control Bits: 6 bit

移项 Phase Range: 360°

相位 Phase Flatness : $\pm 4^\circ$ Typ.

Power Handling Input Power for

1 dB Compression: 25dBm

电流 bias control current : 25 mA

机械特性 Mechanical :

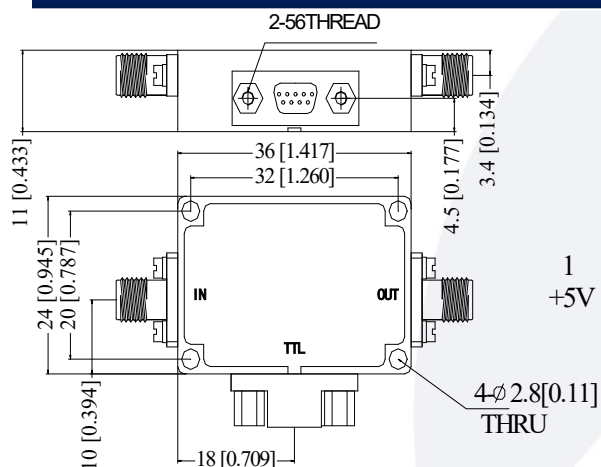
温度范围 Temperature Range: -45° C - +70° C

阻抗 Impedance: 50 OHMS

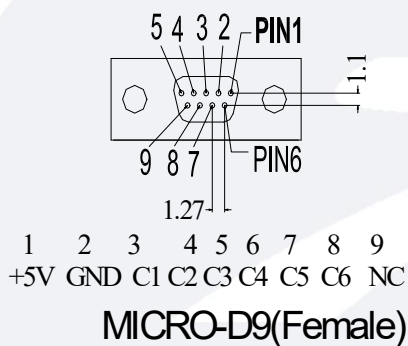
接口 Connectors: D-SUB 9 / SMA-Female

相对湿度 Relative Humidity: 0 ~ 90%

外形尺寸 Outline Drawing:



Unit: mm



MICRO-D9(Female)

Absolute Maximum Ratings

Biasing	6V
TTL Control Voltage	0 / +5V
RF Input power	+25dBm

Logic "0" = 0 V, Logic "1" = +5 V
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	5.625
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	360