

Model: TLSP4T0.5G50GA
**Absorption, Broadband PIN Switch
 0.5-50GHz, SP4T, 2.4mm**
Feature:

- Ultra Wide Band: 0.5-50 GHz
- Low Insertion Loss: 4.5 dB
- Power Handling : 23dBm
- High Isolation
- Switch Type: Absorption

电气特性 Electrical:

参数Parameter		Min.	Typ.	Max.	单位Units
频率范围 Frequency range		0.5-50			GHz
插损 Insertion Loss			4.5	6.5	dB
隔离 Isolation	0.5-30 GHz	60	65		dB
	30-50 GHz	48	55		
切换速度 Switch Speed			50	100	ns
输入驻波 Input VSWR			1.8	2.2	:1
输出驻波 Output VSWR			1.8	2.2	:1
最大输入功率 RF Input Power				23	dBm
直流电压 DC Voltage			+ /-5		V DC
直流电流 DC Supply Current			100/50		mA
阻抗 Impedance		50			Ohms

机械特性 Mechanical :

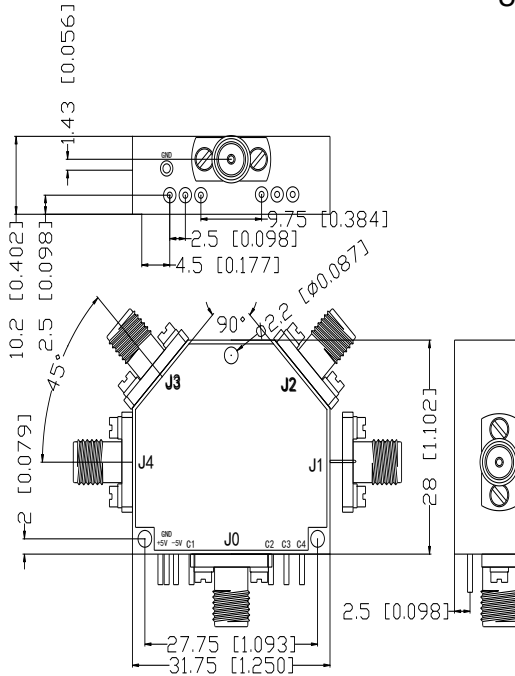
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.4mm Female	
直流控制接口 Control Bias	Solder Pin	
尺寸 Size	31.75*28*10.2	mm
重量 Weight	55	g

绝对最大值 Absolute Maximum Ratings:

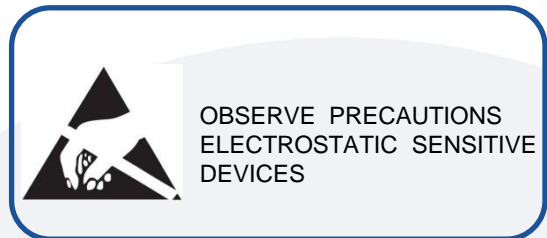
参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+/-5%
输入功率 RF Input Power	23 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm(Inches)



真值表 Truth Table				
TTL Control Input				Signal Path State
C4	C3	C2	C1	
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4



温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLSP4T0.5G50GA	Absorption, Broadband PIN Switch 0.5-50GHz, SP4T, 2.4mm	Rev.1.1