

Model: TLSP2T0.8G18GA-50

Absorption, Broadband PIN Switch 0.8-18GHz, SPDT, SMA

Feature:

- Ultra Wide Band: 0.8-18 GHz
- Low Insertion Loss: 2.0 dB
- Power Handling : 27dBm
- 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	0.8-18			GHz
插损 Insertion Loss		2.0	2.5	dB
隔离 Isolation	50			dB
切换速度 Switch Speed		25	100	ns
输入驻波 Input VSWR		1.5	2.0	:1
输出驻波 Output VSWR		1.5	2.0	:1
相位一致性 Phase Consistency			±8	°
相位稳定性 Phase Stability		±5		°
幅度稳定性 Amplitude Stability		±0.2		dB
最大输入功率 RF Input Power			27	dBm
直流电压 DC Voltage		+5/-5		V DC
直流电流 DC Supply Current		50/50		mA
阻抗 Impedance	50			Ohms

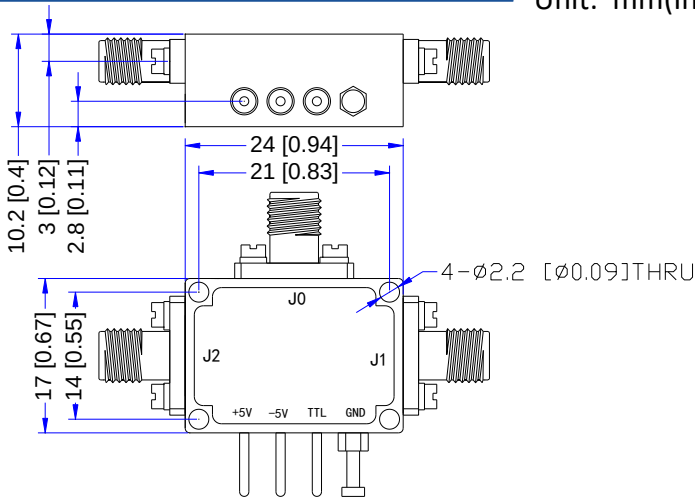
机械特性 Mechanical :

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
直流控制接口 Control Bias	Solder Pin	
尺寸 Size	24*17*10.2	mm
重量 Weight	TBD	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	27 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
C1	
0	J0-J1
1	J0-J2



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-20		+70	°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
TLSP2T0.88G18GA-50	Absorption,Broadband PIN Switch 0.8-18GHz,SPDT,SMA	Rev.1.1