

**Model: TLSP4T57G64GA**
**Absorption, Broadband PIN Switch  
 57-64 GHz, SP4T, 1.85mm**
**Feature:**

- Ultra Wide Band: 57-64GHz
- Low Insertion Loss: 10dB
- Power Handling : 20 dBm
- 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	57-64			GHz
插损 Insertion Loss		10		dB
隔离 Isolation	45			dB
切换速度 Switch Speed		100		ns
输入驻波 Input VSWR		3		:1
输出驻波 Output VSWR		3		:1
耐功率 Power Handling			20	dBm
控制逻辑电平 Control Logic TTL		0/+5		V DC
直流电流 DC Supply Current		200/100		mA
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

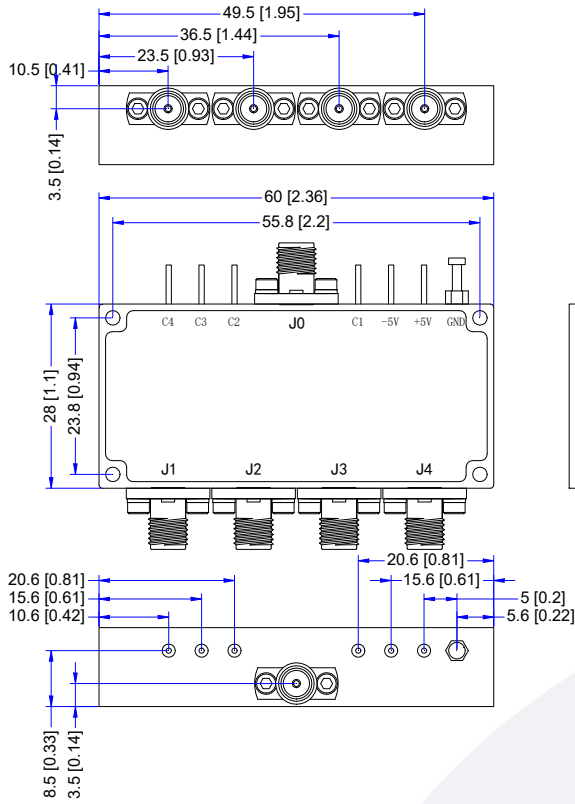
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	1.85mm Female	
直流控制接口 Control Bias	Solder Pin	
尺寸 Size	60*28*10.5	mm
重量 Weight	TBD	g

**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	20 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸Outline Drawing:

Unit: mm(Inches)



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

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

TTL Control Voltages &VDD

Stage	Bias Condition
VDD	+5V (±5%)
VEE	-5V (±5%)
Low	0 to 0.8Vdc
High	2.0 to +5.0Vdc

### 温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-25		+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
TLSP4T57G64GA	Absorption,Broadband PIN Switch 57-64GHz,SP4T,1.85mm	Rev.1.1