

**Model: TLSP4T0.5G40GA**
**Absorption, Broadband PIN Switch  
 0.5-40GHz, SP4T, 2.92**
**Feature:**

- Ultra Wide Band: 0.5-40GHz
- Low Insertion Loss: 6.0 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	0.5-40			GHz
插损 Insertion Loss		6.0	7.0	dB
隔离 Isolation	60	70		dB
切换速度 Switch Speed		100		ns
输入驻波 Input VSWR		2	3	:1
输出驻波 Output VSWR		2.5		:1
最大输入功率 RF Input Power			23	dBm
直流电压 DC Voltage		+5/-5		V DC
直流电流 DC Supply Current			100/30	mA
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

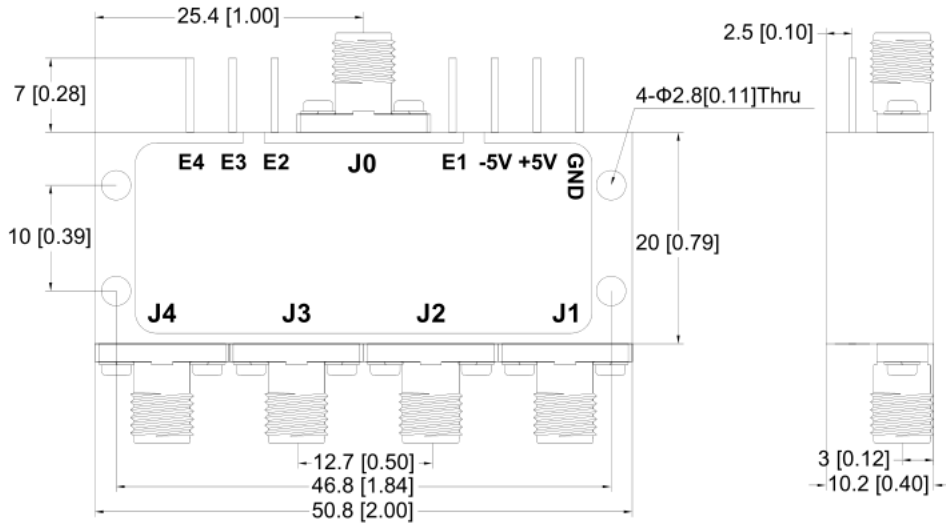
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92mm Female	
直流控制接口 Control Bias	Solder Pin	
尺寸 Size	50.8*30*10.2	mm
重量 Weight	32	g

**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	23dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸Outline Drawing:

Unit: mm(Inches)



1. Dimensions are in mm [inches]

2. Tolerances: Outline drawing  $\pm 0.2$  [0.008] Hole  $\pm 0.2$  [0.008]

NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME

**Truth Table**

Control Input TTL				Signal Path State
E4	E3	E2	E1	
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4



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
TLSP4T0.5G40GA-2	Absorption, Broadband PIN Switch 0.5-40GHz, SP4T, 2.92mm Female	Rev.1.1