

**Model: TLSP6T1G18G-ELM**
**Absorption, Broadband PIN Switch  
 1-18 GHz, SP6T, SMA**
**Feature:**

- Ultra Wide Band: 1-18 GHz
- Low Insertion Loss: 3 dB
- Power Handling : 25 dBm
- High Isolation
- Switch Type: Absorption

**电气特性 Electrical Specifications:**

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	1-18			GHz
插损 Insertion Loss			3	dB
隔离 Isolation	40	45		dB
切换速度 Switch Speed			40	ns
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.0		:1
耐功率 Power Handling			25	dBm
直流电压 DC Voltage		+5/-5		V DC
直流电流 DC Supply Current		150/-50		mA
阻抗 Impedance	50			Ohms

**机械特性 Mechanical Specifications:**

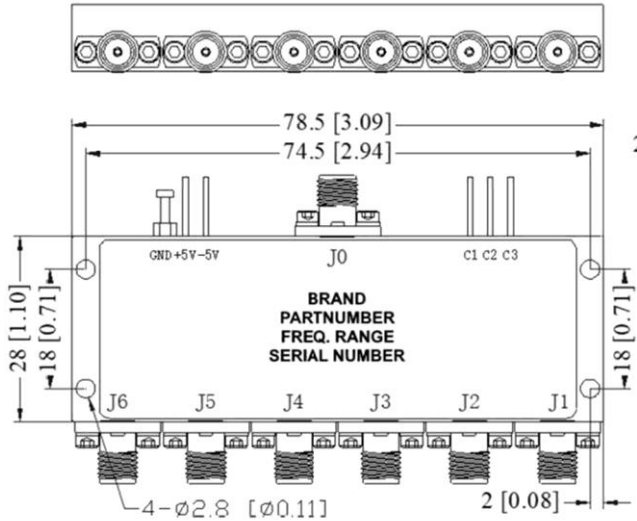
参数 Parameter	指标 Value	单位 Units
输入输出接口 Input /Output Connector	SMA Female	
直流控制接口 Control Bias	Solder Pin	
尺寸 Size	78.5*28*10.2	mm
重量 Weight	TBD	g

**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	25 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
C3	C2	C1	
0	0	0	J0-J1
0	0	1	J0-J2
0	1	0	J0-J3
0	1	1	J0-J4
1	0	0	J0-J5
1	0	1	J0-J6
1: +3.3V/+5V 0:0V			

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



**温度环境 Environmental Conditions:**

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-50		+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
TLSP6T1G18G-ELM	Absorption, Broadband PIN Switch 1-18 GHz, SP6T, SMA	Rev.1.1