

**Model: TLSP4T0.6G7.25GA**
**Absorption, Broadband PIN Switch  
 0.6-7.25GHz, SP4T, SMA**
**Feature:**

- Ultra Wide Band: 0.6- 7.25GHz
- Low Insertion Loss: 1.9 dB
- Power Handling : 30dBm
- 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	0.6-7.25			GHz
插损 Insertion Loss		1.9	2.5	dB
隔离 Isolation	60	75		dB
切换速度 Switch Speed		50	100	ns
输入驻波 Input VSWR		1.6	2.0	:1
输出驻波 Output VSWR		1.6	2.0	:1
最大输入功率 RF Input Power			30	dBm
直流电压 DC Voltage		+ /-5		V DC
直流电流 DC Supply Current		150/50		mA
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

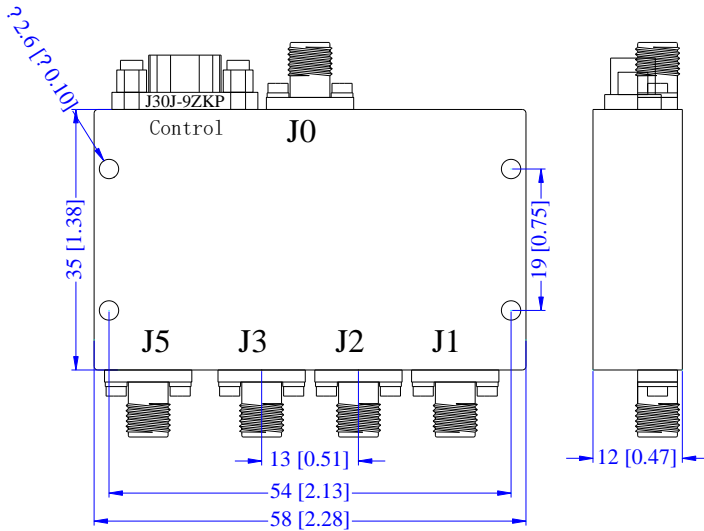
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
直流控制接口 Control Bias	Solder Pin	
重量 Weight	55	g

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

**外形尺寸 Outline Drawing:**

Unit: mm(Inches)



TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V (±10%)
VEE	-5V(±10%)
Low	0 to 0.8Vdc
High	2.0 to +5.0Vdc

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

J30J-9ZKP Define	1	2	3	4	5	6	7	8	9
	+5V	-5V	GN D	C1	C2	C3	C4	NC	NC

**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
TLSP4T0.6G7.25GA	Absorption, Broadband PIN Switch 0.6-7.25GHz, SP4T, SMA	Rev.1.1