

## PIN Diode Switch

Model: TLSP4T0.001G60GR

SP4T, 0.001-60 GHz, Reflective, 1.85mm

### 电气参数 Electrical Characteristics:

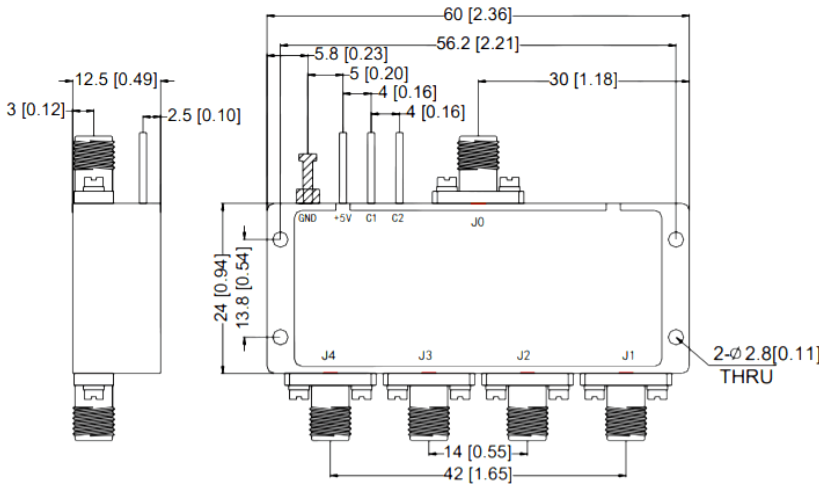
参数Parameter	Min.	Typ.	Max.	单位 Units
频率范围 Frequency range	0.01-60			GHz
插损 Insertion Loss		8.5	9.2	dB
隔离 Isolation	29	35		dB
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.2		:1
输入功率 RF Input Power(CW)			15	dBm
三阶交调 IIP3		30		dBm
切换速度 Switch Speed			250	ns
直流电压 Bias Voltage		+5		V
直流电流 Bias Current			50	mA
阻抗 Impedance	50			Ohms

### 环境和物理特性 Environmental And Physical Characteristics:

参数Parameter	指标 Value
操作温度 Operating Temperature	-40°C to +85°C
存储温度 Storage Temperature	-50°C to +105°C
震动 Vibration(operating)	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
射频接口 Connector Type	1.85mm Female
重量 Weight	50 g Max

**外形尺寸 Outline Drawing:**

Unit: mm(Inches)

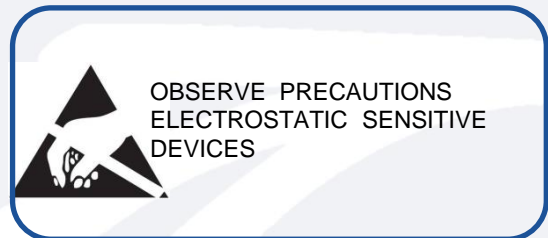


真值表 Truth Table

TTL Control Input		Signal Path State
C2	C1	
0	0	J0-J1
0	1	J0-J2
1	0	J0-J3
1	1	J0-J4

**绝对最大值 Absolute Maximum Ratings:**

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+5V±10%
输入功率 RF Input Power	15 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V



**订货信息 Ordering Information:**

标准型号 Part Number	描述 Description	版本号 Revision
TLSP4T0.001G60GR	PIN Diode Switch SP4T, 0.001-60 GHz, Reflective, 1.85mm	Rev.1.0