

Model: TLSP4T0.06G10GR
**Reflective, Broadband PIN Switch
 0.06-10GHz, SP4T, SMA, Hot switching**
Feature:

- Ultra Wide Band: 0.06-10 GHz
- Low Insertion Loss: 2.7 dB
- Power Handling : 30dBm
- High Isolation
- Switch Type: Reflective, Hot switching

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	0.06-10			GHz
插损 Insertion Loss		2.7		dB
隔离 Isolation	60			dB
切换速度 (热切换) Switch Speed(Hot switching)		100		ns
输入驻波 Input VSWR		1.5	2.0	:1
输出驻波 Output VSWR		1.5	2.0	:1
最大输入功率 RF Input Power			30	dBm
直流电压 DC Voltage		+5/-5		V DC
直流电流 DC Supply Current		250/50		mA
控制 Control Logic TTL	"0"=Low ; "1"=High			v
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

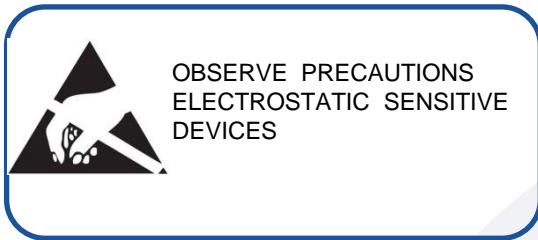
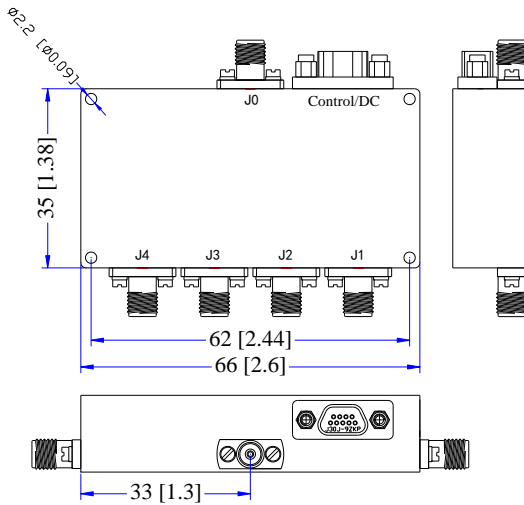
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
直流控制接口 Control Bias	MICRO-D9	
尺寸 Size	-	mm
重量 Weight	TBD	g

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+/-10%
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)



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

MICRO-D9 Female Define	
引脚 Pin #	功能 Function
1	+5V
2	-5V
3	GND
4-7	C1-C4
7-9	NC

温度环境 Environmental Conditions:

参数 Parameter	Min.	Typ.	Max.	单位 Units
操作温度 Operating Temperature	-10		+50	°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
TLSP4T0.06G10GR	Reflective, Broadband PIN Switch 0.06-10GHz, SP4T, SMA, Hot switching	Rev.1.1