

Model: TLSP8T0.4G6.6GA
Absorption, Broadband PIN Switch, 0.4-6.6GHz
Feature:

- Ultra Broadband: 0.4-6.6GHz
- Low Insertion Loss: 5dB
- Power Handling : 30 dBm
- High Isolation
- Switch Type: Absorption

电气特性 Electrocal:

参数Parameter	Min.	Typ.	Max.	Units
频率范围 Frequency range	0.4-6.6			GHz
隔离 Isolation	60			dB
插损 Insertion Loss		4	5	dB
插损一致性 Insertion loss repeat consistency(OdBm)			±0.1	dB
输入驻波 Input VSWR		1.4	1.8	:1
输出驻波 Output VSWR		1.4	1.8	:1
切换速度 Switch Speed		50	100	ns
最大输入功率 RF Input Power			30	dBm
直流电压 DC Voltage	±5			V DC
控制逻辑 TTL	0/+5			V
直流电流 DC Supply Current	350/50			mA
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

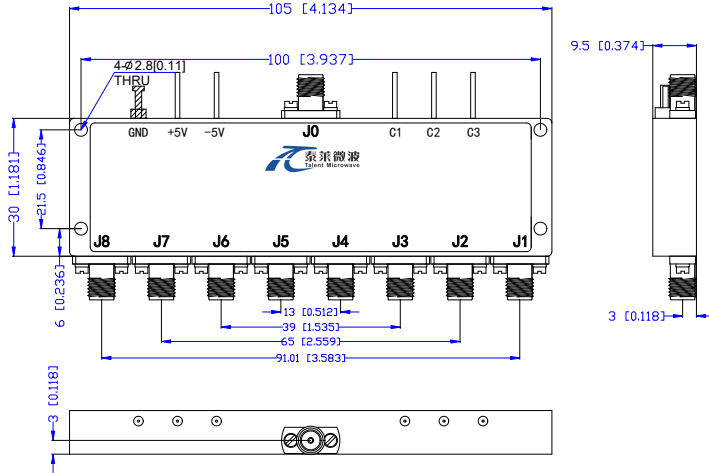
参数Parameter	Specification	Units
输入输出接口 Input /Output Connector	SMA Female	
开关类型 Switch Type	Absorptive	
重量 Weight	50	g

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)



TTL Control Voltages &VDD			
Stage	Bias Condition		
VDD	+5V (±5%)		
VEE	-5V (±5%)		
Low(0)	0 to 0.8Vdc		
High(1)	2.0 to +5.0Vdc		
Control Input TTL			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	1	0	J0-J7
1	1	1	J0-J8

温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	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	100% RH at 35°C, 95%RH at 40°C			%
海拔 Altitude	50000			feet
震动 Shock / Vibration(MIL-STD-810G)	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
TLSP8T0.4G6.6GA	Absorption,Broadband PIN Switch 0.4-6.6GHz,SP8T,SMA Female	Rev.1.1