

Model: TLSPDT10G50GA
Absorption, Broadband PIN Switch, 10-50GHz
Feature:

- Ultra Broadband: 10-50 GHz
- Low Insertion Loss: 5.5 dB Typ
- Power Handling : 23 dBm
- High Isolation
- Switch Type: Absorption

电气特性 Electrocal:

参数Parameter	Min.	Typ.	Max.	Units
频率范围 Frequency range	10-50			GHz
隔离 Isolation	60	70		dB
插损 Insertion Loss		5.5	6.5	dB
输入驻波 Input VSWR		2.2	3.0	:1
输出驻波 Output VSWR		2.2	3.0	:1
切换速度 Switch Speed			200	nsec
最大输入功率 RF Input Power			23	dBm
直流电压 DC Voltage	+5/-5			V DC
直流电流 DC Supply Current	80/50			mA
控制 TTL Control Voltage	+5V/ 0V			V
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

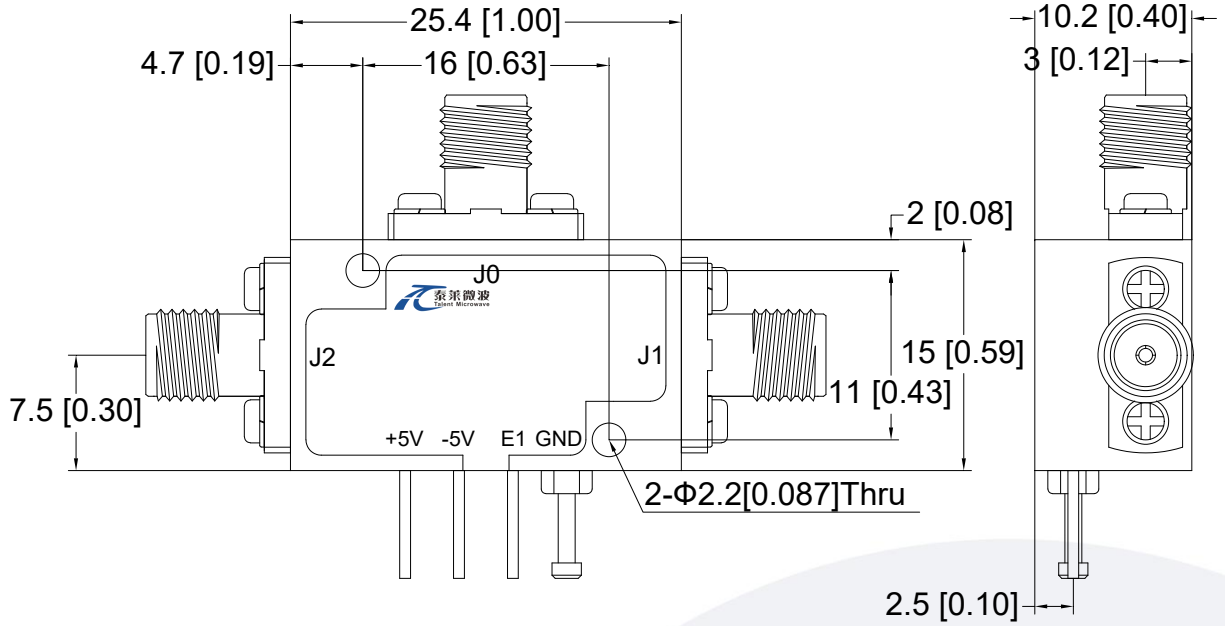
参数Parameter	Specification	Units
输入输出接口 Input /Output Connector	2.4mm-Female	
直流偏置 Bias	Solder Pin	
重量 Weight	15	g

绝对最大值 Absolute Maximum Ratings :

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+5V, -5V
输入功率 RF Input Power	23 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm(inches)



Truth Table

Control Input TTL	Single Path State
E1	
0	J0-J1
1	J0-J2

温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	Units
操作温度 Operating Temperature	-40		+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	30,000 ft. (Epoxy Sealed Controlled environment)			feet
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment)(Optional)			
震动 Shock / Vibration(MIL-STD-810F)	20G for 11msec			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLSPDT10G50GA	Absorption, Broadband PIN Switch 10-50GHz, SPDT, 2.4mm- Female	Rev.1.1