

Model: TLSP2T0.4G12GA-60
**Absorption, Broadband PIN Switch
 0.4-12GHz, SPDT, SMA**
Feature:

- Ultra Wide Band 0.4-12 GHz
- Low Insertion Loss: 2.6dB
- 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	0.4-12			GHz
插损 Insertion Loss		2.6@6GHz	5	dB
隔离 Isolation	60			dB
切换速度 Switch Speed(Hot switching)		100		ns
输入驻波 Input VSWR		1.5	1.9	:1
输出驻波 Output VSWR		1.5	1.9	:1
最大输入功率RF Input Power			27	dBm
直流电压 DC Voltage		+5/-5		V DC
直流电流 DC Supply Current		150/-50		mA
控制逻辑电平Control Logic TTL	"0"=Low ; "1"=High			v
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

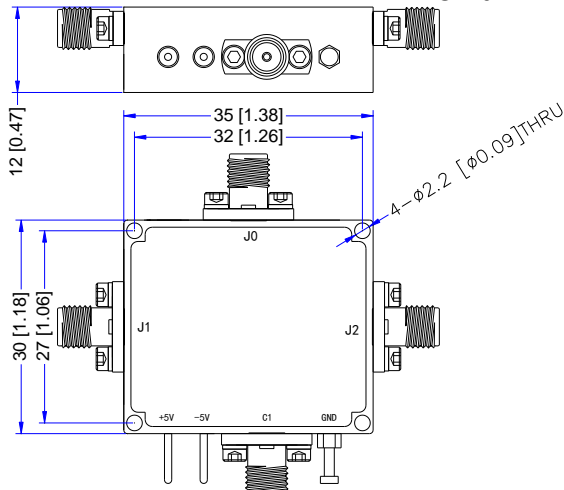
参数Parameter	指标 Value	单位Units
输入输出接口Input /Output Connector	SMA Female	
直流控制接口Control/DC Connector	SMASMA-Female/Welding pin	
尺寸 Size	35*30*12	mm
重量 Weight	-	g

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	27 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	
0	J0-J1
1	J0-J2

TTL Control Voltages & VDD

Stage	Bias Condition
VDD	+5V (\pm 10%)
VEE	-5V (\pm 10%)
Low(0)	0 to 0.8Vdc
High(1)	2 to +5Vdc



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-25		+75	°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
TLSP2T0.4G12GA-60	Absorption, Broadband PIN Switch 0.4-12GHz, SPDT, SMA	Rev.1.1