

Model: TLSP2T0.8G18GA-50
**Absorption, Broadband PIN Switch
0.8-18GHz, SPDT, SMA**
Feature:

- Ultra Wide Band: 0.8-18 GHz
- Low Insertion Loss: 2.0 dB
- Power Handling : 27dBm
- High Isolation
- Switch Type: Absorption

Electrical:

Parameter	Min.	Typ.	Max.	Units
Frequency range	0.8-18			GHz
Insertion Loss		2.0	2.5	dB
Isolation	50			dB
Switch Speed		25	100	ns
Input VSWR		1.5	2.0	:1
Output VSWR		1.5	2.0	:1
Phase Consistency			±8	°
Phase Stability		±5		°
Amplitude Stability		±0.2		dB
RF Input Power			27	dBm
DC Voltage		+5/-5		V DC
DC Supply Current		50/50		mA
Impedance	50			Ohms

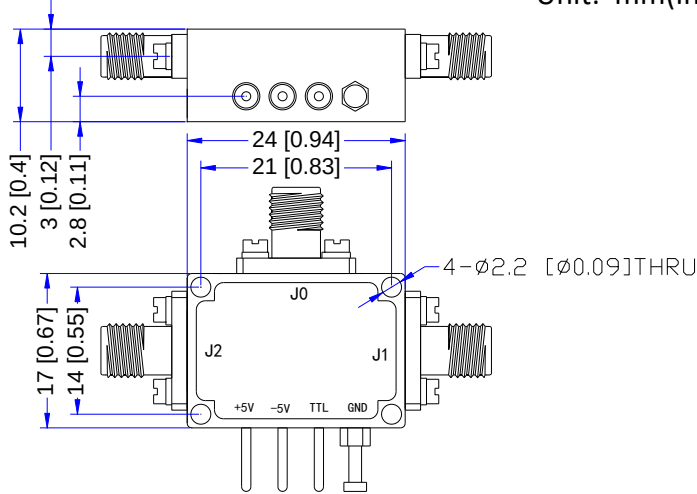
Mechanical :

Parameter	Value	Units
Input /Output Connector	SMA Female	
Control Bias	Solder Pin	
Size	24*17*10.2	mm
Weight	TBD	g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+/-5%
RF Input Power	27 dBm
EESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:



Unit: mm(Inches)

Truth Table

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



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	-20		+70	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLSP2T0.88G18GA-50	Absorption,Broadband PIN Switch 0.8-18GHz,SPDT,SMA	Rev.1.1