

Model: TLSP4T0.2G18GA
**Absorption, Broadband PIN Switch
0.2-18GHz, SP4T, SMA**
Feature:

- Ultra Broadband: 0.2-18 GHz
- Low Insertion Loss: 4.0 dB
- Power Handling : 30 dBm
- High Isolation
- Switch Type: Absorption

Electrocal Specification:

Parameter	Min.	Typ.	Max.	Units
Frequency range	0.2-18			GHz
Isolation	60	65		dB
Insertion Loss		4.0	7.0	dB
Input VSWR		1.5	1.8	:1
Output VSWR		1.5	1.8	:1
Switch Speed		100		ns
RF Input Power			30	dBm
DC Voltage	+5/-5			V DC
DC Supply Current		160/50		mA
Impedance	50			Ohms

Mechanical Specification:

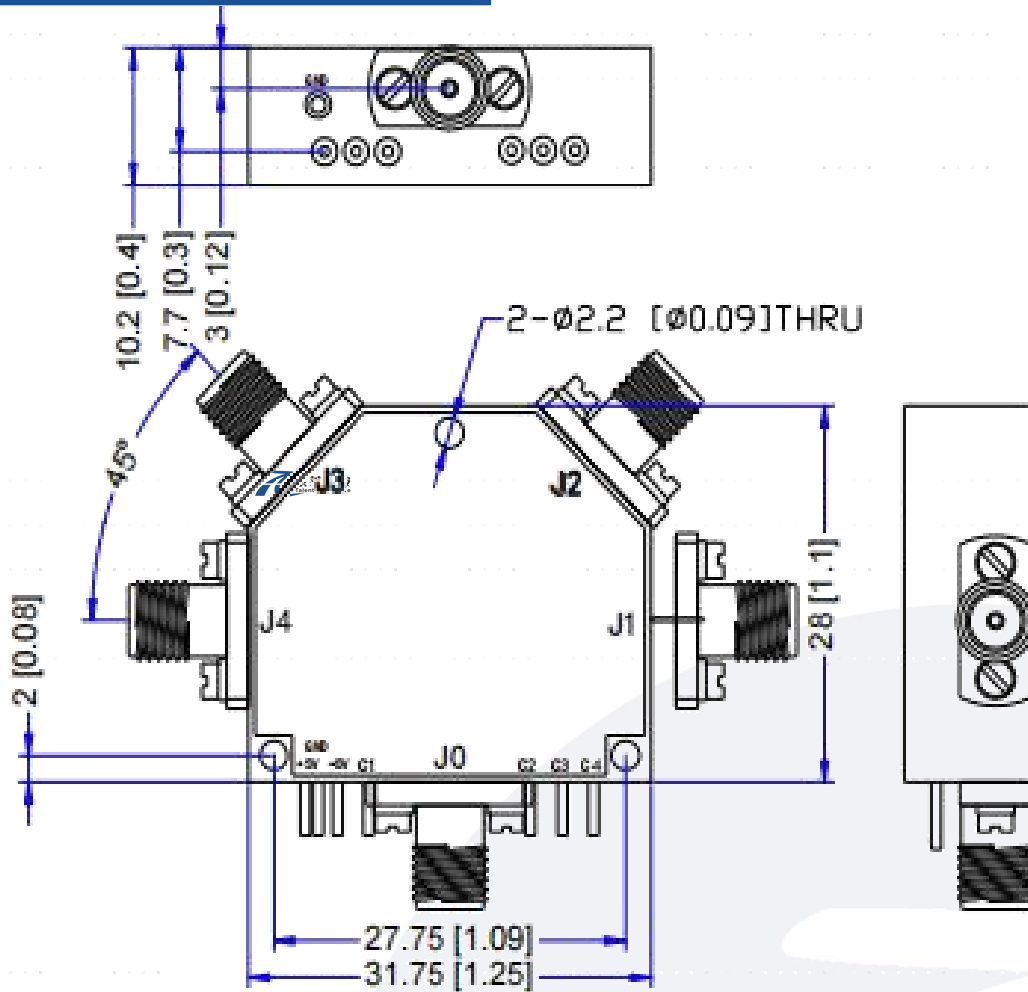
Parameter	Specification	Units
Input /Output Connector	SMA-Female	
Bias	Solder Pin	
Size	31.75*28*10.2	mm
Weight	TBD	g

Absolute Maximum Ratings :

Parameter	Value
Supply Bias Voltage	+/-5%
RF Input Power	30 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸Outline Drawing:

Unit: mm(inches)



Truth Table

TTL Control Input				Signal Path State
C4	C3	C2	C1	
1	1	1	1	OFF
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4

Environmental Conditions:

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	-20		+70	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msec half sine wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLSP4T0.2G18GA	Absorption,Broadband PIN Switch 0.2-18GHz,SP4T,SMA Female	Rev.1.1

Typical Performance Data:

VSWR vs.Frequency

