

Model: TLSP2T2.9G3.3G-40WA
**Absorption, Broadband PIN Switch
 2.9-3.3 GHz, SP2T, N Female**
Feature:

- Ultra Wide Band: 2.9-3.3 GHz
- Low Insertion Loss: 1.2 dB Max
- Power Handling : 40 W
- High Isolation
- Switch Type: Absorption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	2.9-3.3			GHz
Insertion Loss			1.2	dB
Isolation	40			dB
Switch Speed			800	ns
Input VSWR			1.4	:1
Output VSWR			1.4	:1
Power Handling			40	W
Bias Voltage	+5V/-12V			V
Supply Current	200mA/50mA			mA
Control Logic TTL	1:+3.5-+5V 0:0-+0.8V			V DC
Impedance	50			Ohms

Mechanical Specifications:

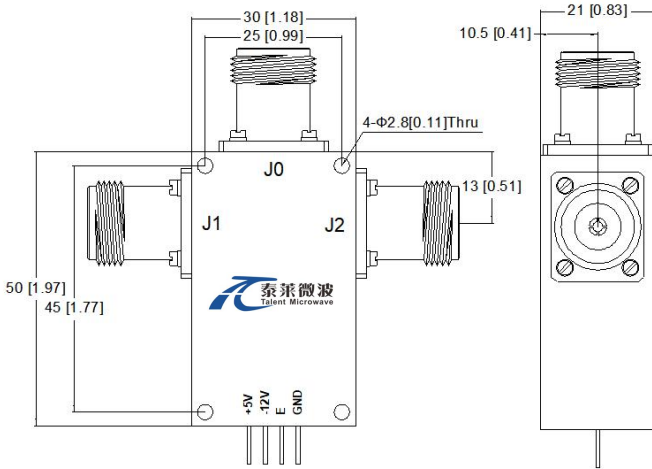
Parameter	Value	Units
Input /Output Connector	N Female/N Female	
Control Bias	Solder Pin	
Size	50*30*21	mm
Weight	/	g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+5V
RF Input Power	46.2 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm(Inches)



Truth Table	
TTL Control Input	Signal Path State
E	
0	J0-J1
1	J0-J2



Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+85	°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
TLSP2T2.9G3.3G-40WA	Absorption, Broadband PIN Switch 2.9-3.3 GHz, SP2T, N Female	Rev.1.1