

Model: TLSPDT1G60GA
**Absorptive, Broadband PIN Switch
 1-60 GHz, SPDT, 1.85mm**
Feature:

- Ultra Wide Band: 1-60 GHz
- Low Insertion Loss: 5.5 dB
- Power Handling : 20 dBm
- High Isolation
- Switch Type: Absorptive

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	1-60			GHz
Insertion Loss		5.5	8	dB
Isolation	45	50		dB
Switch Speed		50	100	ns
Input VSWR		2.5		:1
Output VSWR		2.5		:1
Power Handling			20	dBm
Control Logic TTL		0/+5		V DC
DC Supply Current		60/-30		mA
Switch type	Absorptive			
Impedance	50			Ohms

Mechanical Specifications:

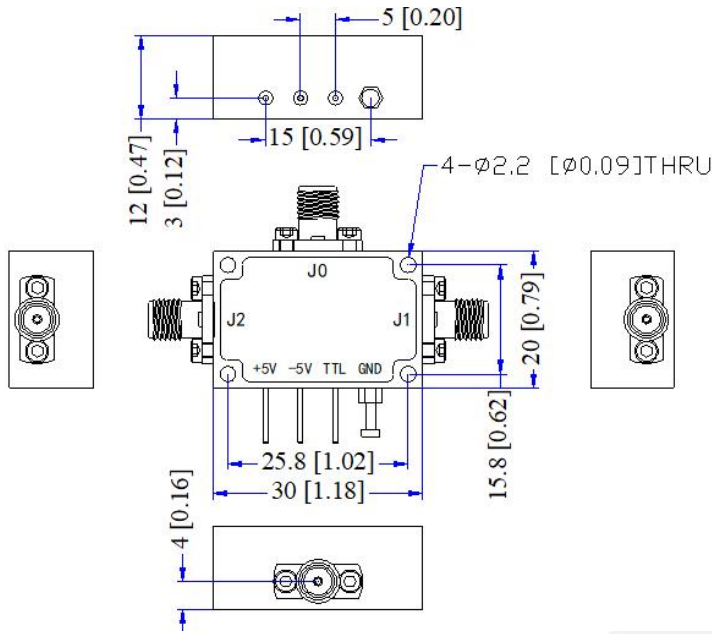
Parameter	Value	Units
Input /Output Connector	1.85mm Female/1.85mm Female	
Control Bias	Solder Pin	
Size	30*20*12	mm
Material	Aluminium	g
Finish	Gold Painting	

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	±5%
RF Input Power	20 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

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 5%)
VEE	-5V (\pm 5%)
Low (0)	0 to 0.8Vdc
High (1)	2.0 to +5.0Vdc

Environmental Conditions:



Parameter	Min	Typ	Max	Units
Operating Temperature	-25		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10,000			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
TLSPDT1G60GA	Absorptive, Broadband PIN Switch 1-60 GHz, SPDT, 1.85mm	Rev.1.1