

Model: TLSP4T57G64GA
**Absorption, Broadband PIN Switch
 57-64 GHz, SP4T, 1.85mm**
Feature:

- Ultra Wide Band: 57-64GHz
- Low Insertion Loss: 10dB
- Power Handling : 20 dBm
- High Isolation
- Switch Type: Absorption

Electrical:

Parameter	Min.	Typ.	Max.	Units
Frequency range	57-64			GHz
Insertion Loss		10		dB
Isolation	45			dB
Switch Speed		100		ns
Input VSWR		3		:1
Output VSWR		3		:1
Power Handling			20	dBm
Control Logic TTL		0/+5		V DC
DC Supply Current		200/100		mA
Impedance	50			Ohms

Mechanical :

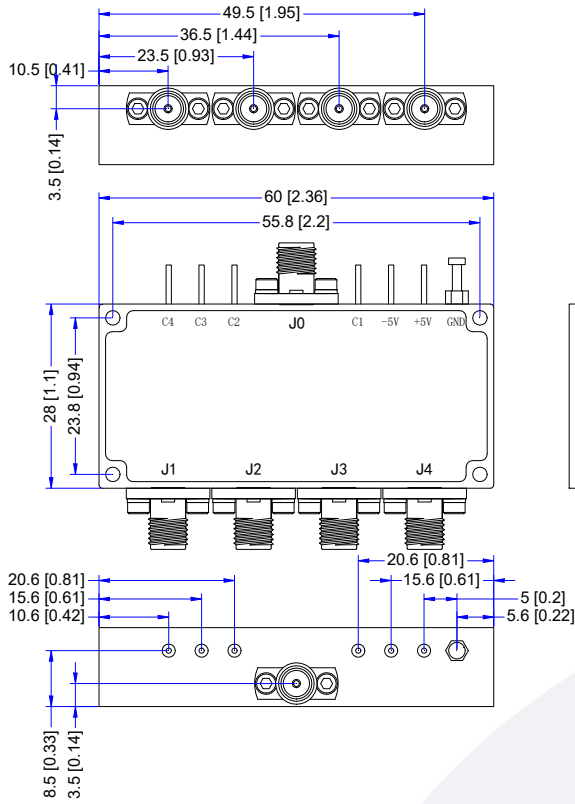
Parameter	Value	Units
Input /Output Connector	1.85mm Female	
Control Bias	Solder Pin	
Size	60*28*10.5	mm
Weight	TBD	g

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)



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

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

TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V (±5%)
VEE	-5V (±5%)
Low	0 to 0.8Vdc
High	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	50,000			feet
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
TLSP4T57G64GA	Absorption,Broadband PIN Switch 57-64GHz,SP4T,1.85mm	Rev.1.1