

Model: TLSP8T0.1G18GA
**Absorption, Broadband FET Switch
 0.1-18 GHz, SP8T, SMA**
Feature:

- Ultra Wide Band: 0.1-18 GHz
- Low Insertion Loss: 4 dB
- Power Handling : 30 dBm
- High Isolation
- Switch Type: Absorption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	0.1-18			GHz
Insertion Loss		4		dB
Isolation	60	70		dB
Switch Speed		100		ns
Input VSWR		2.0		:1
Output VSWR		2.0		:1
Power Handling			30	dBm
DC Voltage		+5		V DC
DC Supply Current		500		mA
Impedance	50			Ohms

Mechanical Specifications:

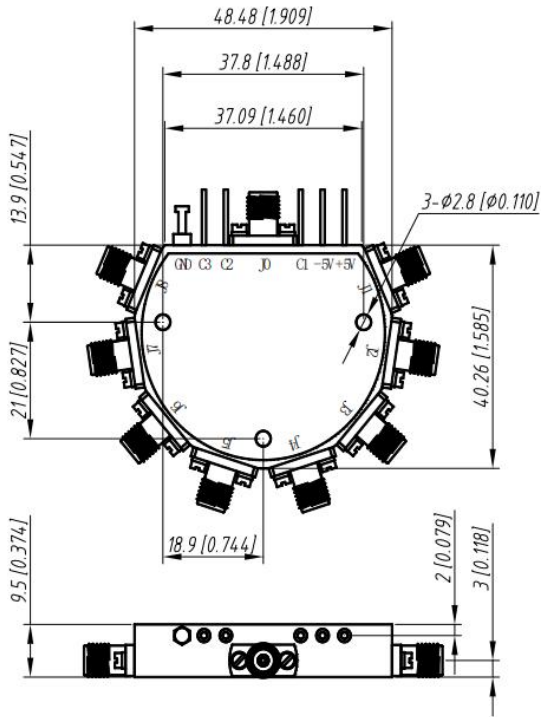
Parameter	Value	Units
Input /Output Connector	SMA Female	
Control Bias	Solder Pin	
Size	48.52*40.26*9.5	mm
Weight	TBD	g

Absolute Maximum Ratings:

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

Outline Drawing:

Unit: mm(Inches)



真值表 Truth Table			
TTL Control Input			Signal Path State
C3	C2	C1	
0	0	0	J0-J1
0	0	1	J0-J2
0	1	0	J0-J3
0	1	1	J0-J4
1	0	0	J0-J5
1	0	1	J0-J6
1	1	0	J0-J7
1	1	1	J0-J8



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
TLSP8T0.1G18GA	Absorption,Broadband FET Switch 0.1-18 GHz,SP8T,SMA	Rev.1.1