

Model: TLSP6T1G18G-ELM
**Absorption, Broadband PIN Switch
 1-18 GHz, SP6T, SMA**
Feature:

- Ultra Wide Band: 1-18 GHz
- Low Insertion Loss: 3 dB
- Power Handling : 25 dBm
- High Isolation
- Switch Type: Absorption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	1-18			GHz
Insertion Loss			3	dB
Isolation	40	45		dB
Switch Speed			40	ns
Input VSWR		2.0		:1
Output VSWR		2.0		:1
Power Handling			25	dBm
DC Voltage		+5/-5		V DC
DC Supply Current		150/-50		mA
Impedance	50			Ohms

Mechanical Specifications:

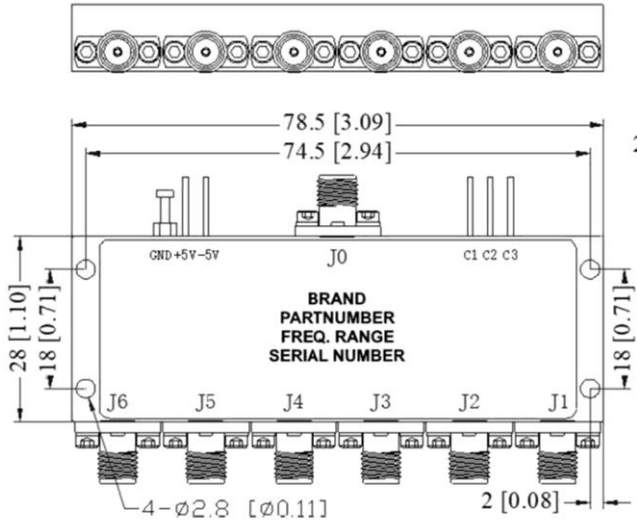
Parameter	Value	Units
Input /Output Connector	SMA Female	
Control Bias	Solder Pin	
Size	78.5*28*10.2	mm
Weight	TBD	g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+/-5%
RF Input Power	25 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm(Inches)



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: +3.3V/+5V 0:0V			

1. Dimensions are in mm [inches]
 2. Tolerances: Outline drawing ± 0.2 [0.008] Hole ± 0.2 [0.008]
- NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME



Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-50		+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
TLSP6T1G18G-ELM	Absorption, Broadband PIN Switch 1-18 GHz, SP6T, SMA	Rev.1.1