

Model: TLSP6T50M200MRA
**Absorption, Broadband PIN Switch
 50-200 MHz, SP6T, SMA Female**
Feature:

- Ultra Wide Band: 50-200 MHz
- Low Insertion Loss: 4.25 dB Max
- Power Handling : 25 dBm
- High Isolation
- Switch Type: Reflection

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	50-200			MHz
Insertion Loss			4.25	dB
Isolation		60		dB
Switch Speed		140	150	ns
Rise Time / Fall Time		40	50	ns
Input VSWR		2		:1
Output VSWR		2		:1
Power Handling			25	dBm
DC Voltage		±5		V DC
Control Voltage		0/+5		V
DC Supply Current			300/50	mA
Impedance	50			Ohms

Mechanical Specifications:

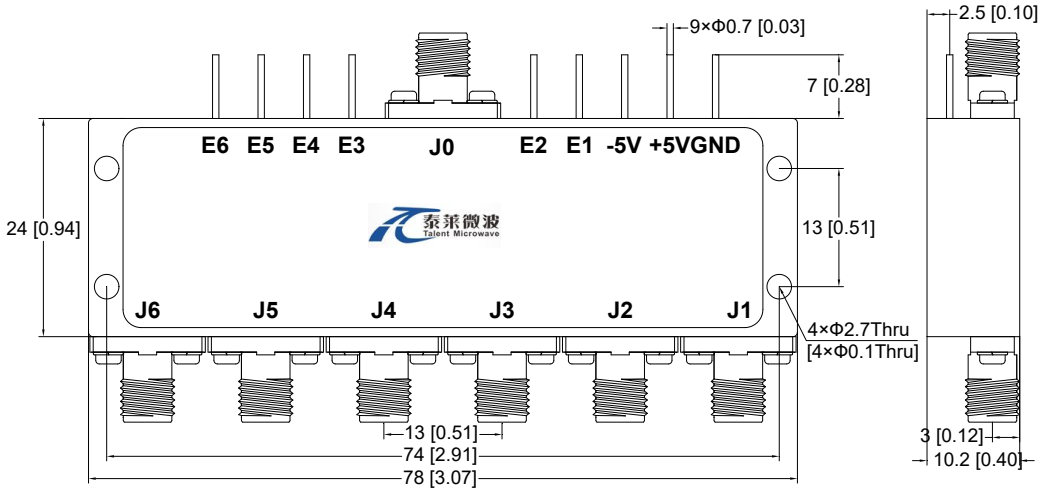
Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
Control Bias	Solder Pin	
Size	78*24*10.2	
Weight	/	g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+5V/-5V
TTL Control Voltage	+5V/0V
RF Input Power	+25 dBm

Outline Drawing:

Unit: mm



Truth Table						
TTL Control Input						Signal Path State
E6	E5	E4	E3	E2	E1	
1	1	1	1	1	0	J0-J1
1	1	1	1	0	1	J0-J2
1	1	1	0	1	1	J0-J3
1	1	0	1	1	1	J0-J4
1	0	1	1	1	1	J0-J5
0	1	1	1	1	1	J0-J6

Notes:

Values at 25° C, sea level.

Switching speed is defined as 50% TTL to 90% RF (t-on) and 50% TTL to 10% RF (t-off).

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-55		+85	°C
Non-operating Temperature	-65		+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
TLSP6T50M200MRA	Absorption,Broadband PIN Switch 50-200 MHz,SP6T,SMA Female	Rev.1.1