

Model: TLSP12T10M8GA
**Absorption, Broadband PIN Switch
 10M-8GHz, SP12T, SMA**
Feature:

- Ultra Wide Band: 10M-8GHz
- Low Insertion Loss: 5dB Typ
- Power Handling : 27dBm
- High Isolation
- Switch Type: Absorption

Electrical Specifications:

Parameter	Min.	Typ.	Max.	Units
Frequency range	0.01-8			GHz
Insertion Loss		5		dB
Isolation		55		dB
Switch Speed		100		ns
Input VSWR		1.8		:1
Output VSWR		1.8		:1
RF Input Power			27	dBm
DC Voltage		+5/-5		V DC
DC Supply Current		40		mA
Control Logic TTL	"0"=Low ; "1"=High			V
Impedance	50			Ohms

Mechanical Specifications:

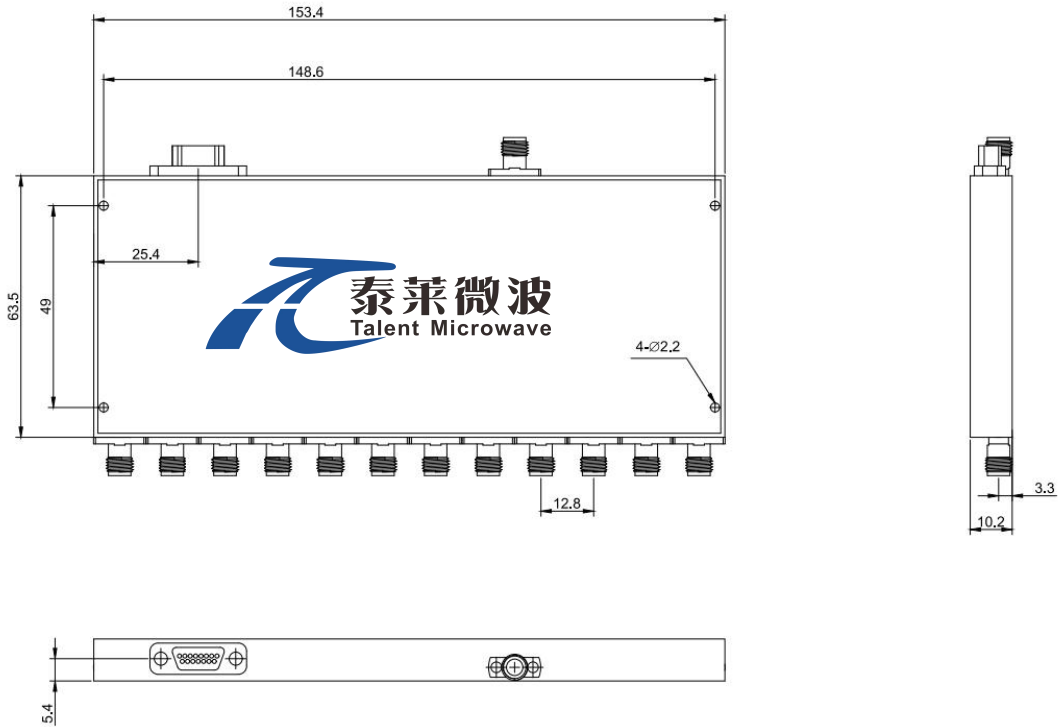
Parameter	Value	Units
Input /Output Connector	SMA Female	
Bias	Solder Pin	
Size	153.4.*63.5*10.2	mm
Weight		g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	TBD
输入RF INPUT POWER	27 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



*****Heat Sink Required During Operation**



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	-40		+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			

Pin Function:

PIN	Function
1	C1
2	C2
3	C3
4	C4
5	C5
6	C6
7	C7
8	C8
9	C9
10	C10
11	-5V
12	-5V
13	GND
14	GND
15	NC
16	NC

Truth Table:

Truth Table								
TTL Control Input								Signal Path State
C1	C2	C3	C4	C5	C6	C7	C8	
0	0	0	0	0	0	0	0	J0-J1
0	0	0	1	0	0	0	0	J0-J2
0	0	1	0	0	0	0	0	J0-J3
0	0	1	1	0	0	0	0	J0-J4
0	1	0	0	0	0	0	0	J0-J5
0	1	0	0	0	1	0	0	J0-J6
0	1	0	0	1	0	0	0	J0-J7
0	1	0	0	1	1	0	0	J0-J8
1	0	0	0	0	0	0	0	J0-J9
1	0	0	0	0	0	0	1	J0-J10
1	0	0	0	0	0	1	0	J0-J11
1	0	0	0	0	0	1	1	J0-J12