

Model:TLSPDT10M1GR-4W

Reflective,Broadband PIN Switch 0.01-1GHz,SPDT,SMA Female

Feature:

- Ultra Wide Band: 0.01-1 GHz
- Low Insertion Loss: 2.0 dB
- Power Handling : 36 dBm
- High Isolation
- Switch Type: Reflective

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	0.01-1			GHz
Insertion Loss		2		dB
Isolation	45	50		dB
Switch Speed		50	100	ns
Input VSWR		1.3	1.5	:1
Output VSWR		1.3	1.5	:1
Power Handling			36	dBm
DC Voltage		+5/-28		V DC
Control Voltage		0/+5		V
DC Current(VCC=+5V/-28V)		+50/-50		mA
Switch type	Reflective			
Impedance	50			Ohms

Mechanical Specifications:

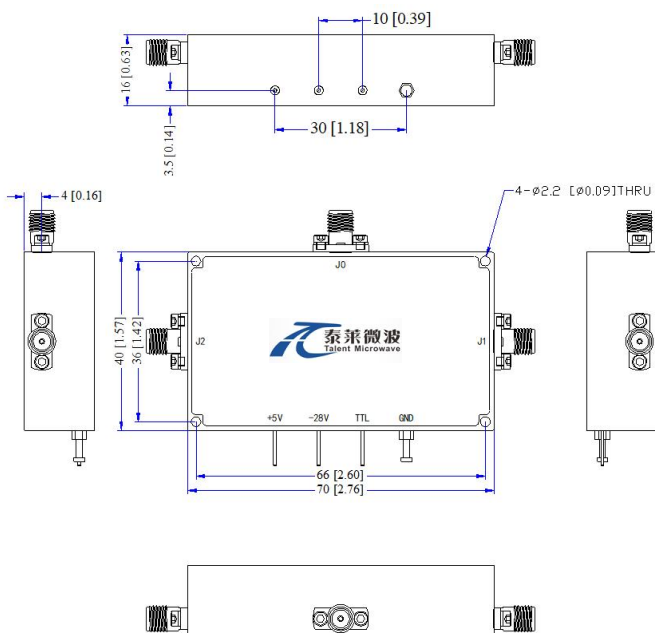
Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
Control Bias	Solder Pin	
Size	70*40*16	mm

绝Absolute Maximum Ratings:

Parameter	Value
RF Input Power	36 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Truth Table	
TTL Control Input	Signal Path State
C1	
0	J0-J1
1	J0-J2

TTL Control Voltages &VDD	
Stage	Bias Condition
VDD	+5V(±5%)
VEE	-28V(±5%)
Low (0)	0 to 0.8Vdc
High (1)	3.3 to +5.0Vdc



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+70	°C
Non-operating Temperature	-45		+125	°C
Relative humidity		95		%
Altitude	10,000			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
TLSPDT10M1GR-4W	Reflective,Broadband PIN Switch 0.01-1 GHz,SPDT,SMA Female	Rev.1.1