



■ Features

- Ultra Wide Band: 4-8GHz
- Low Insertion Loss: 1dB
- Power Handling : 30dBm
- Switch Type: Reflective

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

Note: The photo is for illustration purposes only.
Please refer to outline drawing

□ Electrical Specifications

Parameter	Min.	Typ.	Max.	Units
Frequency Range	4-8			GHz
Insertion Loss			1.1	dB
Loss Variation Over Temperature		0.001		dB/°C
Isolation	80			dB
VSWR			1.5	-
Switch Speed			50	ns
Power Handling (operational)			30	dBm
DC Current (VCC=+5V/-5V)		30		mA
Control Logic TTL	Low:0~0.8V; High: 2.0~5V			V
Impedance	50			Ω
Input / Output Connector	SMA-FEMALE/SMA-FEMALE			
Material	Aluminium			
Finishing	Nickel Plated			
Weight	-			
Package Sealing	Epoxy Sealing (Standard)			

Environmental Conditions

Operational Temperature	-45°C~+85°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55°C~+125°C	Shock	20G for 11msc half sin wave, 3 axis both directions
Executive Standard	MIL-STD-810G	Humidity	100% RH at 35c, 95%RH at 40°C

Absolute Maximum Ratings

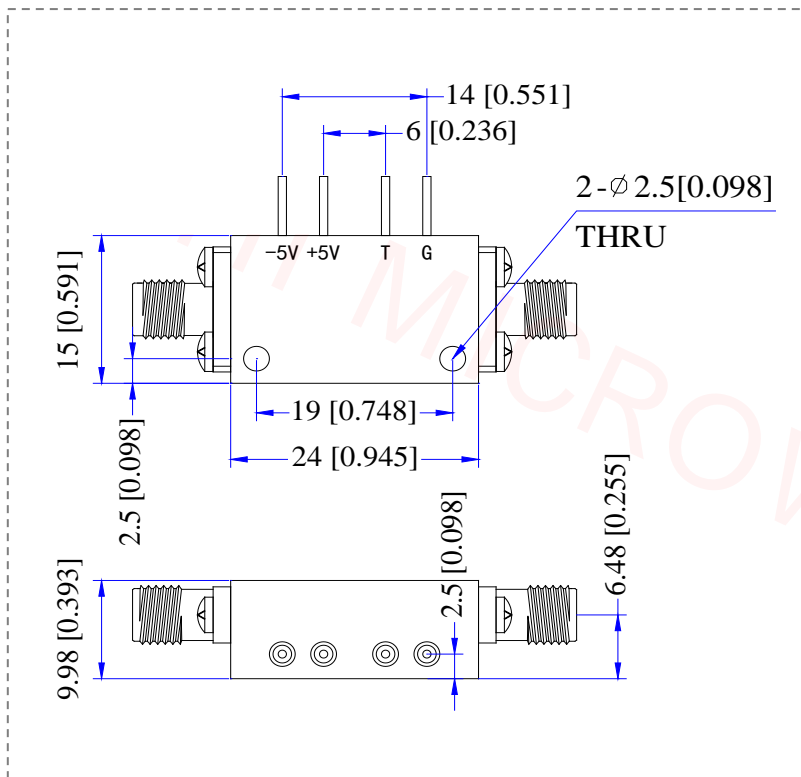
Supply Bias Voltage	+/-10%
RF INPUT POWER	1W
ESD sensitivity (HBm)	Class 0, passed 150V



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V ($\pm 10\%$)
Low	0 to 0.8Vdc
High	2.0 to +5.0Vdc

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