



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

### ■ Features

- Ultra Wide Band: 0.001-60GHz
- Low Insertion Loss: 6dB
- Power Handling : 23dBm
- Switch Type: Reflection

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	0.001-60			GHz
Insertion Loss (0.001-20GHz)		3.5	4	dB
Insertion Loss (20-40GHz)		4.5	5.5	dB
Insertion Loss (40-60GHz)		7.5	8.5	dB
Isolation (0.001-20GHz)	35	40		dB
Isolation (20-40GHz)	30	33		dB
Isolation (40-60GHz)	25	28		dB
Input VSWR		2.0	3.0	-
Output VSWR		2.0	3.0	-
Switch Speed		50	80	ns
Power Handling (operational)			23	dBm
DC Current (Vcc=+/-5V)	110/50			mA
Control Logic TTL	0/+5			v
Impedance	50			Ω
Input Output Connector	1.85			
Material	Aluminium/Gold Painting			
Weight	50g			
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

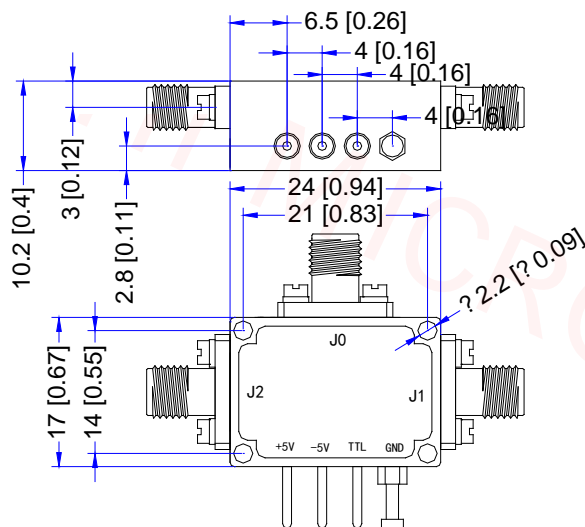
### Absolute Maximum Ratings

Supply Bias Voltage	+/-10%
RF INPUT POWER	23dBm
ESD sensitivity (HBm)	Class 0, passed 150V



### Outline Drawing

All Dimensions in mm ( inches ) Tolerance  $\pm 0.25$  ( 0.01 )



TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V ( $\pm 10\%$ )
VEE	-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	J0-J2