

Typical Applications

- Fixed Wireless & Microwave Radio below 12 GHz
- Military, Space & Satellite Communications
- Test and Measurement Equipment
- Antenna Switching

Main Features

- Wideband 6 - 12 GHz
- Excellent Isolation
- Fast Switching Time
- Low Insertion Loss
- SMA Connectorized
- RoHS Compliant

Electrical Specifications

Parameter	Unit	Specification
Frequency Range	GHz	6 – 12
Isolation	dB	80 min 85 typ
Insertion Loss	dB	1.3 min 1.7 typ 2.2 max
VSWR Input		1.3 : 1 typ / 1.5 : 1 max
VSWR Output		1.3 : 1 typ / 1.5 : 1 max
RF Input Power	dBm	+30 max
Switching Speed	ns	100 max
1dB Compression Input Power	dBm	30 typ
IM3	dBc	40 typ
In/Out Impedance	Ohm	50 typ.
Biasing (+5V/-5V)	mA	60 / 30
TTL Control		Single line control : "1" (+5V) =J1 ON, "0"(0V) =J2 ON
Replicability	dB	< 0.2 over 10.000 cycles

Products and Product Information are Subject to Change Without Notice

Mechanical Specifications

Parameter	Unit	Specification
RF connectors		SMA-FEMALE
Finishing		Gold Plating
Material		Aluminum
Weight	g	50
Operating life		1.000.000 Cycles

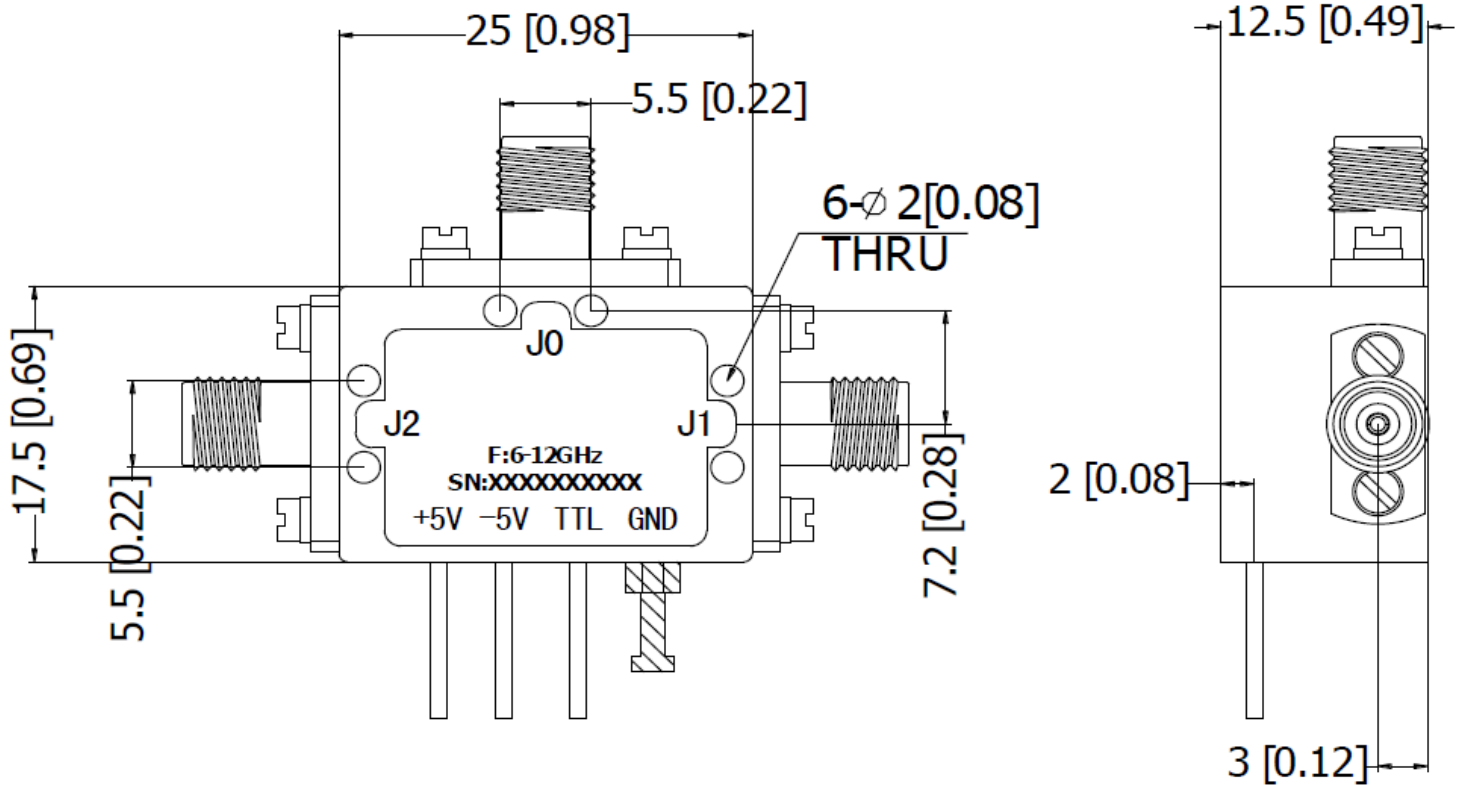
Environment

Parameter	Unit	Specification
Operating Temperature	°C	-45°C to +85°C
Storage Temperature	°C	-50°C to +125°C

TSA0206001200A
Absorptive SP2T Switch

Outline drawing

All dimensions in mm [inches]



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