

Typical Applications

- Fixed Wireless & Microwave Radio below 6 GHz
- Military, Space & Satellite Communications
- Test and Measurement Equipment
- Antenna Switching

Main Features

- Ultra-Wideband 0.016 - 6 GHz
- Excellent Isolation
- Fast Switching Time
- Low Insertion Loss
- SMA Connectorized
- RoHS Compliant

Electrical Specifications

Parameter	Unit	Specification
Frequency Range	GHz	0.0016 – 6
Isolation	dB	60 min 65 typ
Insertion Loss	dB	2.5 typ 3.0 max
VSWR Input		1.2 : 1 typ / 1.3 : 1 max
VSWR Output		1.2 : 1 typ / 1.3 : 1 max
RF Input Power	dBm	+30 max
Switching Speed	μs	1 max
1dB Compression Input Power	dBm	30 typ
IM3	dBc	40 typ
In/Out Impedance	Ohm	50 typ.
Biasing (+5V/-5V)	mA	160 / 50
TTL Control		"1" (+2V ~+5V) "0"(0v~0.8V)
Replicability	dB	< 0.2 over 10.000 cycles

Products and Product Information are Subject to Change Without Notice

TSA0400010600A

Absorptive SP4T Switch

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

Truth Table

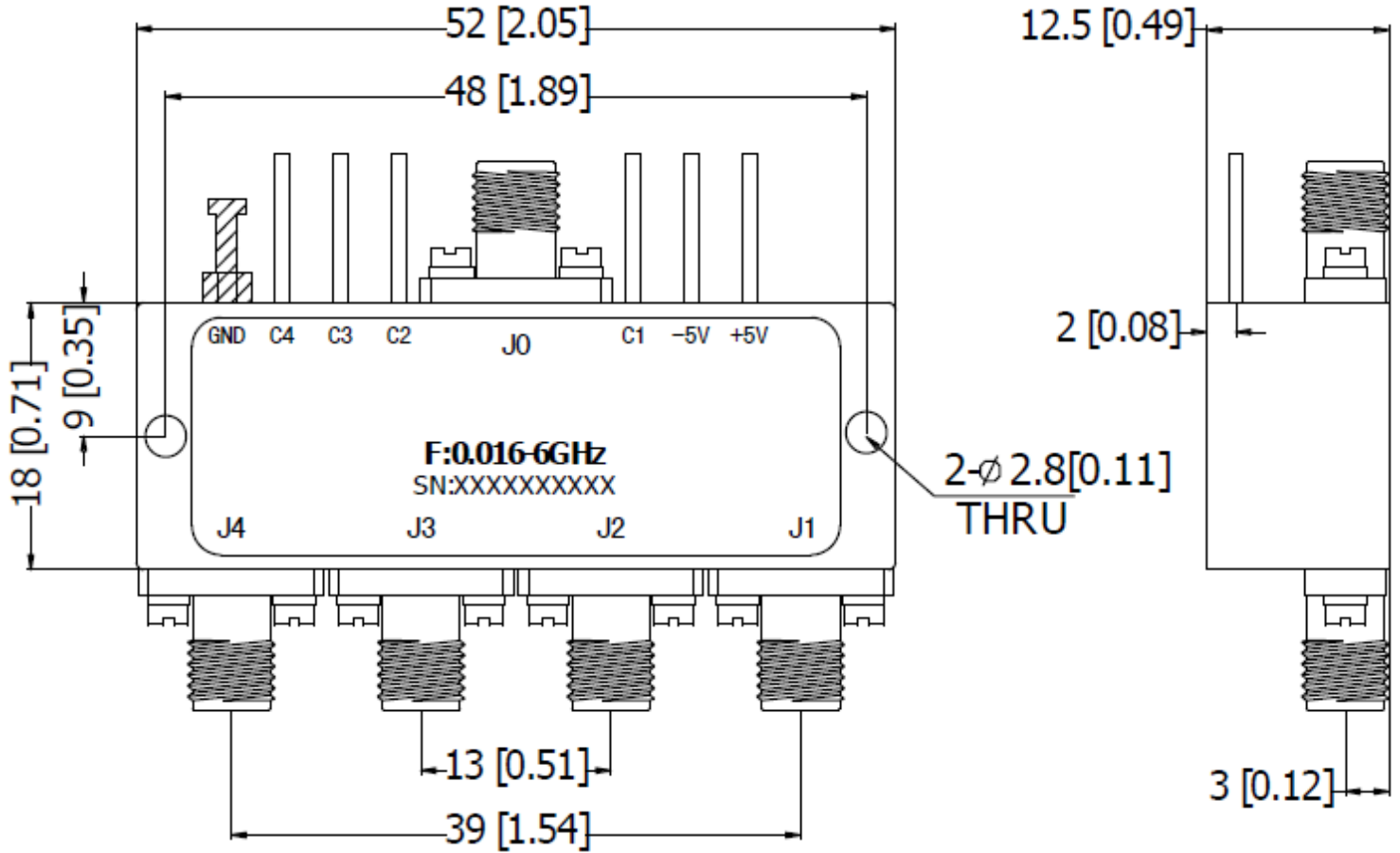
Control Input TTL				Signal Path State
C4	C3	C2	C1	
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4
Control Pin Customization available upon request				

Products and Product Information are Subject to Change Without Notice

TSA0400010600A
Absorptive SP4T Switch

Outline drawing

All dimensions in mm [inches]



Products and Product Information are Subject to Change Without Notice