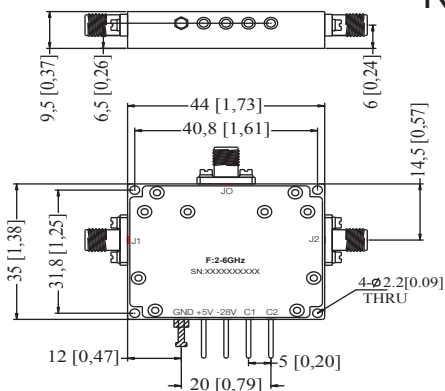


Reflective 2-6GHz Coaxial SP2T Switch



Truth Table		
Control Input TTL		Signal Path State
C2	C1	
0	0	OFF
0	1	J0-J1
1	0	J0-J2
1	1	NC

Control Pin Customization available upon request

Outline Drawing: All Dimensions in mm (inches)

Parameters	Min	Typ	Max	Units
Frequency Range		2 - 6		GHz
Insertion Loss		1.0	1.5	dB
Insertion Loss Temperature Coefficient		0.003		dB/
Isolation	40	50		dB
Input VSWR			1.5	: 1
Output VSWR			1.5	: 1
RF Input Power (CW)			130	W
DC Power Dissipation			5.3	W
0.1dB Compression Point(P0.1dB) (CW)			47	dBm
1dB Compression Point(P1dB) (CW)			51	dBm
IIP3		55		dBm
Switching Speed			1	us
Weight		/		ounces
Impedance		50		Ω
Bias Current (+5V/-28V)		250/150		mA
Input / Output Connectors	SMA - Female			
Finish	Gold Plated			
Material	Aluminum			
Seal	Hermetically Sealed (Optional)			

Absolute Maximum Ratings

Biasing	+5V±10%/-28V±10%
TL Control Voltage	0~0.8V/2.8~5V

Environmental Specifications

Operational Temperature	-45°C~+85°C
Storage Temperature	-55°C~+125°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Uncontrolled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

• Note: TTL pins cannot be connected to the negative voltage otherwise the internal driver will be damaged.

• Cold Switching: Before changing any TTL signal(s), the RF input power must be blanked or the switch could be damaged