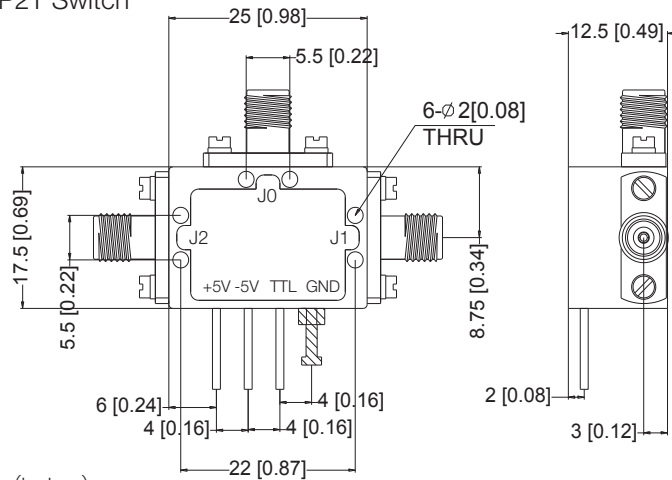


Absorptive 18GHz Coaxial SP2T Switch



All Dimensions in mm (inches)

Parameters	Min	Typ.	Max	Min	Typ.	Max	Min	Typ.	Max	Units
Frequency Range		2-8			8-12			12-18		GHz
Insertion Loss		1.2	1.5		1.6	2.0		2.2	2.6	dB
Insertion Loss Temperature Coefficient		0.003			0.003			0.003		dB/°C
Isolation	70	75		70	75		60	65		dB
Input VSWR		1.4	1.5		1.5	2		1.6	2	: 1
Output VSWR		1.4	1.5		1.5	2		1.6	2	: 1
RF Input power (CW)			30			30			30	dBm
DC Power Dissipation		0.5			0.5			0.5		W
0.1dB Compression Point (P0.1dB)		30			30			30		dBm
IIP3		50			50			50		dBm
Switching Speed			100			100			100	ns
Weight	0.71									ounces
Impedance	50									Ω
Bias Current (+5V/ -5V)	80/50									mA
Input / Output Connectors	SMA-Female									
Finishing	Gold Plating									
Material	Aluminum									
Sealing	Hermetically Sealed (optional)									

Absolute Maximum Ratings	
Biasing	+5V±10%/-5V±10%
TTL Control Voltage	0~0.8V/2~5V

Environmental Specifications	
Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-50 ~ +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un -controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 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, if connected to the negative voltage, will damage the internal chips