



Model Number:
SW-SPDTKX-1609

RF Components

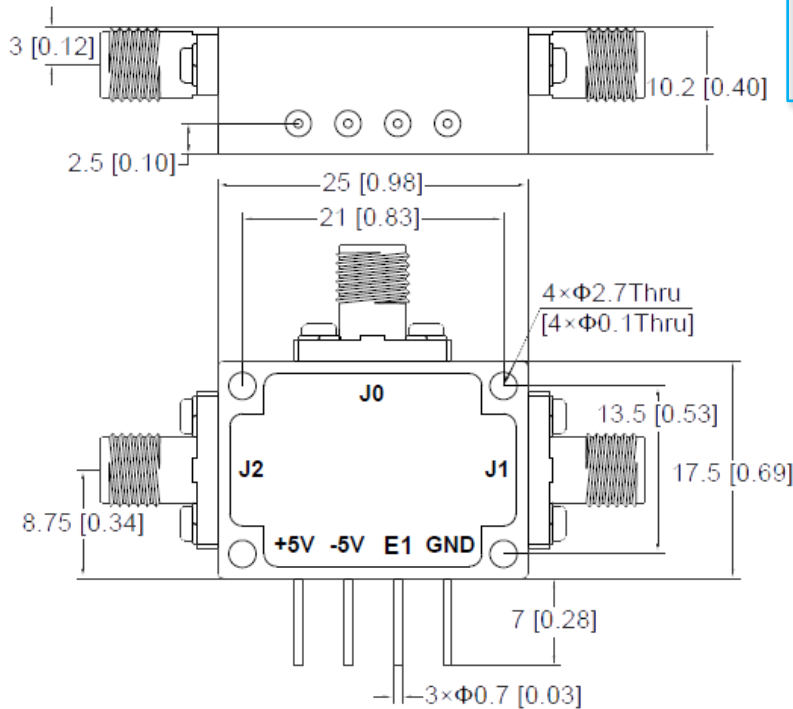
PIN Diode Absorptive Switch

0.5 - 18 GHz

- Single pole double throw PIN diode absorptive switch
- TTL control
- High Isolation
- Low insertion loss

Available with RF connector options:

- 50 Ω SMA



RF Parameters		
SW-SPDTKX-1609		S5S5
Frequency Range (GHz)		0.5 - 18
RF Connectors		50Ω SMA
Insertion Loss (dB)	Typ.	2.5
	Max.	3.0
Switching Speed (nsec)		100
VSWR	Typ.	1.7:1
	Max.	2.0:1
Isolation (dB)	Typ.	70
	Min.	60

TA = +25° C
Switching speed is defined as 50% TTL to 90% RF (t-on) and 50% TTL to 10% RF (t-off).

Environmental		
Operating Temperature		-45°C to +85°C
Storage Temperature		-55°C to +125°C
Vibration		25g rms (15 degree 2KHz)
Humidity	Max	100% RH at 35°C, 95% RH at 40°C
Shock		20G for 11msc

Absolute Maximum Ratings	
Biasing	+5 V, -5V
DC Bias:	Max +5.2 V +/-0.5 V @ 80 mA -5 V +/-0.5 V @ 30 mA
TTL Control Voltage	+5V/0V
Input RF power	+20dBm

Truth Table	
Control Input TTL	Signal Path State
E1	
0	J0-J1
1	J0-J2

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

