



Model Number:
SW-SP4T-KX-1610

RF Components

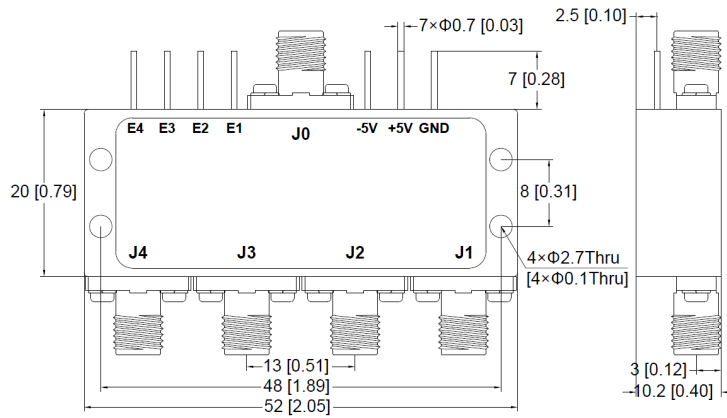
PIN Diode Absorptive Switch

0.5 - 18 GHz

- Single pole 4 throw PIN diode absorptive switch
- TTL control
- High Isolation
- Low insertion loss

Available with RF connector options:

- 50 Ω SMA



Switch

RF Parameters		
SW-SP4TKX-1610		S5S5
Frequency Range (GHz)		0.5 - 18
RF Connectors		50Ω SMA
Insertion Loss (dB)	Max	3.5
Switching Speed (nsec)	Max	100
VSWR	Max	2
Isolation (dB)	Min	60

Environmental		
Operating Temperature		-40°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

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

Environmental	
Biasing	+5 V, -5V
DC Bias	Max +5 V ± 0.5 V @ 200 mA -5 V ± 0.5 V @ 50 mA
TTL Control Voltage	+5V/0V
Input RF power	+30dBm

Truth Table				
Control Input TTL				Signal Path State
E4	E3	E2	E1	
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

