



Model Number:
SWC-SPDT5P05A162001K

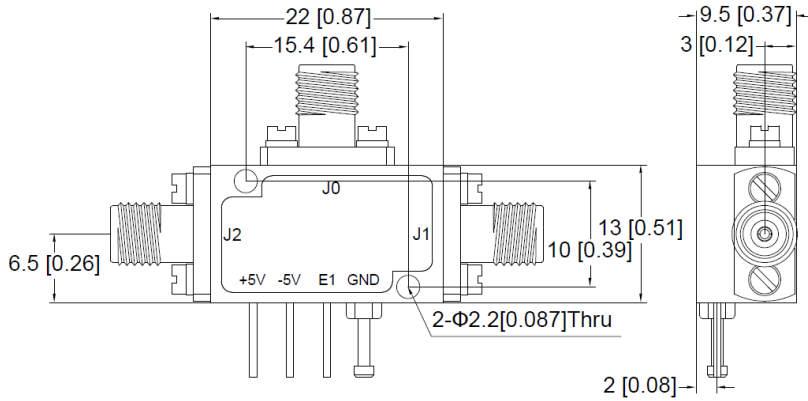
RF Components

PIN Diode Absorptive Switch

0.5 - 40 GHz

- Single pole double throw PIN diode absorptive switch
- TTL-Compatible Driver
- Broad Operating Bandwidth
- Rugged Construction

Available with RF connector options:
• 50 Ω 2.92mm Female



Switch

RF Parameters		
SWC-SPDT5P05A162001-K		
Frequency Range (GHz)		0.5 - 40
RF Connectors		50Ω 2.92mm Female
Insertion Loss (dB)	Max	6.5
Switching Speed (nsec)	Max	500
VSWR	Max	2.5:1
Isolation (dB)	Min	45

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

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

Absolute Maximum Ratings		
Biasing		+5 V, -5V
DC Bias:	Max	+5.2 V +/-0.5 V @ 100 mA Max. -5 V +/-0.5 V @ 50 mA Max.
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

