

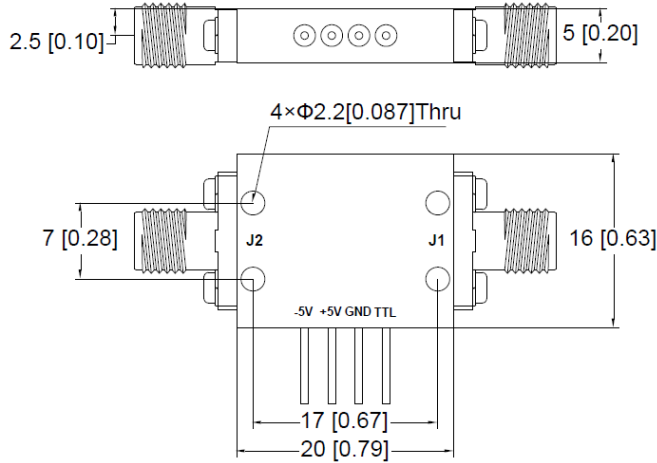


Model Number:
SWC-SP1T3P05R162009S

RF Components

PIN Diode Reflective Switch

15.2 - 16.3 GHz



- Single pole single throw PIN diode reflective switch
- TTL control

Available with RF connector options:

- 50 Ω SMA

Switch

RF Parameters		
SWC-SP1T3P05R162009S		
Frequency Range	15.2 - 16.3 GHz	
RF Connectors	50Ω SMA Female	
Insertion Loss (dB)	3.0 Max	
Switching Speed (nsec)	Delay ON	25
	Delay OFF	25
	Rise Time	10
	Fall Time	10
VSWR	2.0:1 Max	
Isolation (dB)	80 Min	
CW RF Power, Operating (dBm)	23 Max	

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

Truth Table	
Control Input TTL	Signal Path State
E1	
0	ON
1	OFF

Switching speed is defined as 50% TTL to 90% RF (t-on) and 50% TTL to 10% RF (t-off).

Absolute Maximum Ratings	
Biasing	+5V, -5V
TTL Control Voltage	1: +3 - +5V 0: 0 - 0.2V
Input RF power	+23 dBm

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

