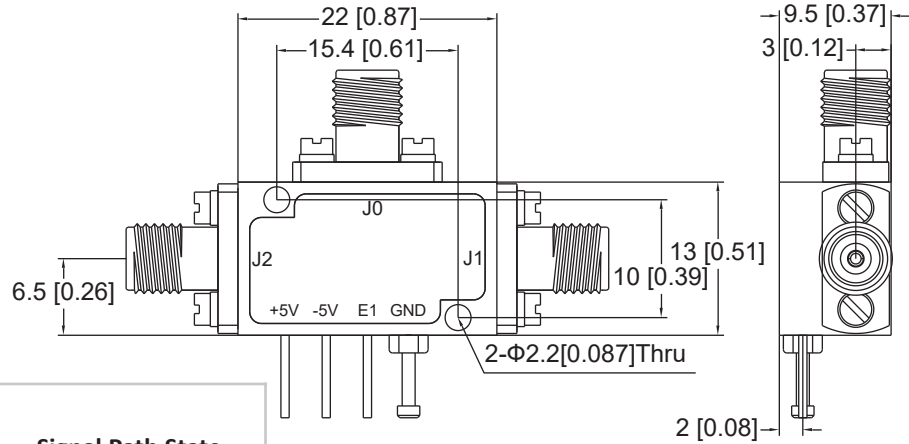


Switch, Pin Diode, Single Pole 2 Throw Absorptive



1. Dimensions are in mm [inches]
2. Tolerances: Outline drawing ± 0.2 [0.008] Hole ± 0.2 [0.008]

Truth Table

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

Specifications

Parameter	Min	Typ	Max	Unit
Frequency Range	31.8		34.7	GHz
Insertion Loss			5.0	dB
VSWR			2.2:1	
Isolation	40			dB
Switching Speed			50	nsec
CW RF Power, Operating			23	dBm
Input/ Output Connectors		SSMA-Female		
Material		Aluminum		
Finish		Gold Plating		
Weight				g

Notes:

Values at 25° C, sea level.

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

Environmental Specifications

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

DC Bias: +5V \pm 0.5V@ 50mA typ.
-5V \pm 0.5V@ 50mA typ.

Absolute Maximum Ratings

Biasing	+5V, -5V
TTL Control Voltage	+5V/ 0V
Input RF Power	+23dBm
Storage Temperature (° C)	-55~+125