



Model Number:
SW-SP8TKA-162005

RF Components

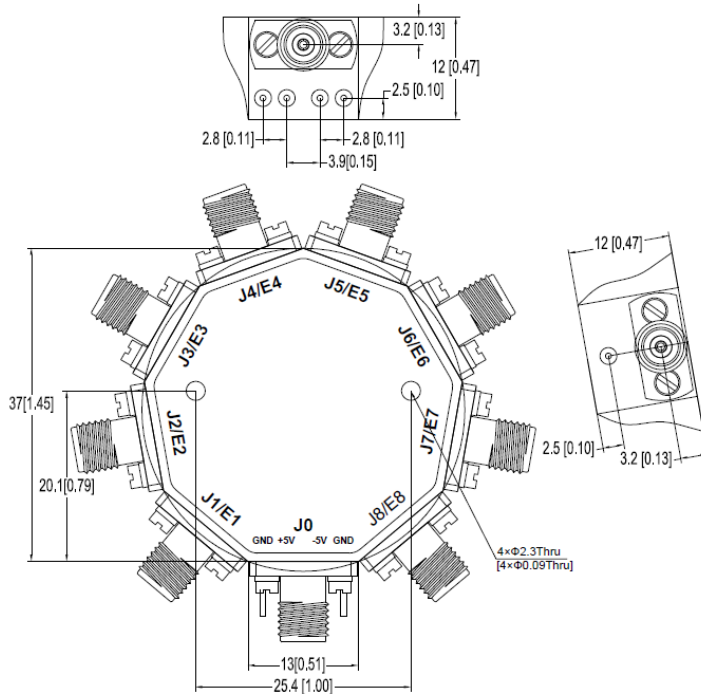
PIN Diode Absorptive Switch

25.5 - 27 GHz

- Single pole eight throw absorptive
- TTL-Compatible Driver
- Rugged construction
- Customisation available

Available with RF connector options:

- 2.92mm Female



RF Parameters	
SW-SP8TKA-162005	K5K5
Frequency Range (GHz)	25.5 - 27
RF Connectors	2.92mm Female
Insertion Loss	5dB typ; 6.5dB max
Switching Speed	Max 50 nsec
VSWR	1.8:1 typ; 2.2:1 max
Isolation	45dB min; 55dB typ

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 11msec

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

Bias requirements	
Biasing	+5V, -5V
DC Bias	Max + 5V@ 120mA - 5V@ 50mA
TTL Control Voltage	+5V/0V
Input RF power	+23dBm

Truth Table								Signal Path State
Control Input TTL								
E1	E2	E3	E4	E5	E6	E7	E8	
0	1	1	1	1	1	1	1	J0-J1
1	0	1	1	1	1	1	1	J0-J2
1	1	0	1	1	1	1	1	J0-J3
1	1	1	0	1	1	1	1	J0-J4
1	1	1	1	0	1	1	1	J0-J5
1	1	1	1	1	0	1	1	J0-J6
1	1	1	1	1	1	0	1	J0-J7
1	1	1	1	1	1	1	0	J0-J8

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

