Clear Microwave, Inc

www.ClearMicrowave.com

Switch

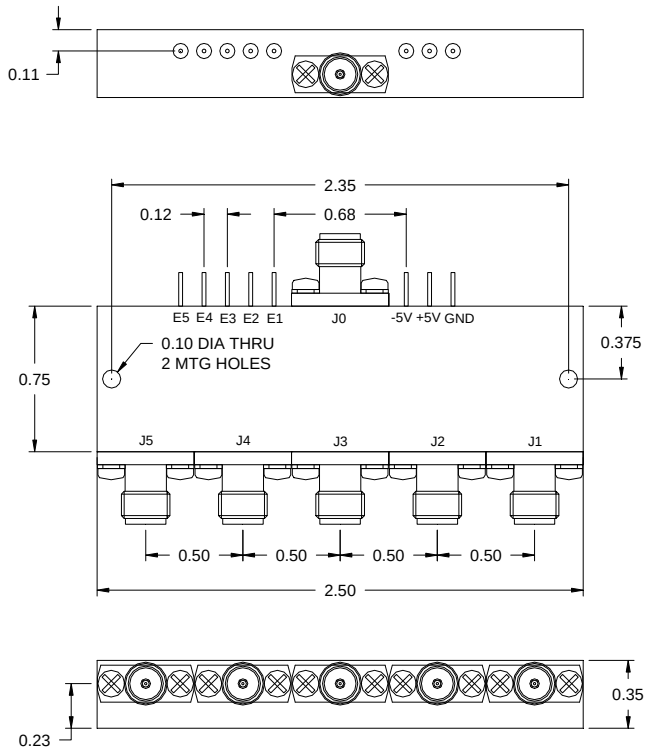
S50102/S50102A 1 – 2 GHz SP5T Switch

FEATURES

- DC Blocks at All RF Ports
- Convenient In-line Structure
- Operates at ±5V DC
- TTL Compatible Logic

SPECIFICATIONS

1 – 2 GHz SP5T Reflective and Absorptive Switch		
Parameter	**Reflective**	**Absorptive**
Model Number	S50102	S50102A
Frequency Range	1 – 2 GHz	1 – 2 GHz
Insertion Loss	1.1 dB Max.	1.3 dB Max.
Isolation	60 dB Min.	60 dB Min.
Input VSWR	1.40:1 Max.	1.40:1 Max.
Output VSWR @ ON Status	1.40:1 Max.	1.40:1 Max.
Output VSWR @ OFF Status	N/A	1.40:1 Max.
Switching Speed	100 ns Max.	100 ns Max.
Survival RF Power	1 Watt CW Max.	1 Watt CW Max.
DC Supply	±5V	±5V
RF Connector Type	SMA Female	SMA Female
DC & Control	Solder PIN; TTL “0”=low loss, TTL “1”=isolation	



Note:
E1 Controls J0 - J1
E2 Controls J0 - J2
E3 Controls J0 - J3
E4 Controls J0 - J4
E5 Controls J0 - J5

Design to meet the following environmental ratings:

1. Operating Temp: -55°C to +85°C
2. Storage Temp: -65°C to +125°C
3. Shock: MIL-STD-202F, M213, Cond B
4. Altitude: MIL-STD-202F, M105, Cond B
5. Vibration: MIL-STD-202F, M204, Cond B
6. Temp. Cycle: MIL-STD-202F, M107D, Cond A
7. Humidity: MIL-STD-202F, M103, Cond B