



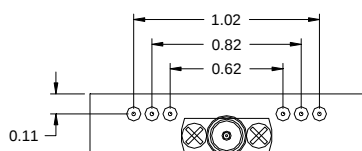
S31840 18 – 40 GHz SP3T Switch

FEATURES

- ❖ DC Blocks at All RF Ports
- ❖ Convenient In-line Structure
- ❖ Operates at $\pm 5V$ DC
- ❖ TTL Compatible Logic

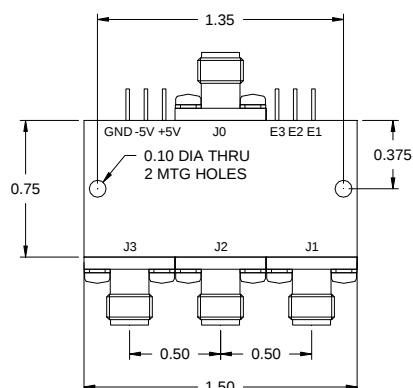
SPECIFICATIONS

18 – 40 GHz SP3T Reflective and Absorptive Switch		
Parameter	Reflective	Absorptive
Model Number	S31840	N/A
Frequency Range	18 – 40 GHz	N/A
Insertion Loss	4.5 dB Max.	N/A
Isolation	25 dB Min.	N/A
Input VSWR	2.20:1 Max.	N/A
Output VSWR @ ON Status	2.20:1 Max.	N/A
Output VSWR @ OFF Status	N/A	N/A
Switching Speed	200 ns Max.	N/A
Survival RF Power	0.2 Watt CW Max.	N/A
DC Supply	$\pm 5V$	N/A
RF Connector Type	2.92 mm Female	N/A
DC & Control	Solder PIN; TTL "0"=low loss, TTL "1"=isolation	



Note:

- E1 Controls J0 - J1
- E2 Controls J0 - J2
- E3 Controls J0 - J3



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

