



S21240 12 – 40 GHz SPDT Reflective Switch

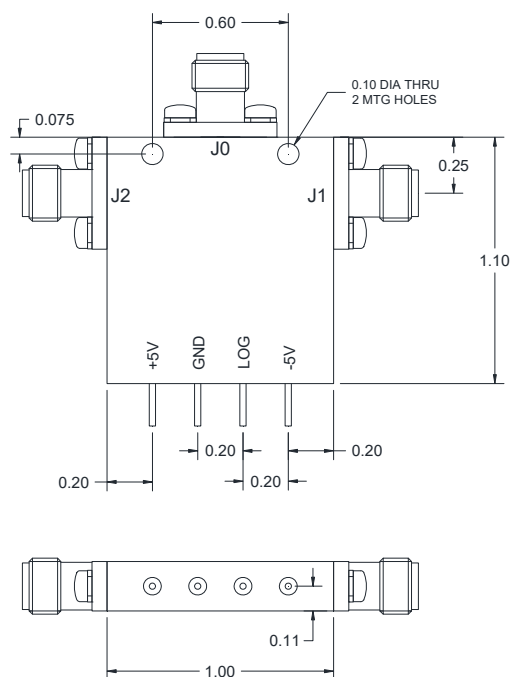
FEATURES

- ❖ Miniaturized Package
- ❖ TTL Compatible Logic
- ❖ DC Blocks at All Ports
- ❖ Operates at $\pm 5V$ DC Supply



SPECIFICATIONS

12 – 40 GHz SPDT Reflective Switch	
Model Number	S21240
Frequency Range	12 – 40 GHz
Insertion Loss	4.2 dB Typ., 4.6 dB Max.
Isolation	50 dB Typ., 40 dB Min.
VSWR	2.00 Typ., 2.40:1 Max.
Switching Speed	50 ns Typ., 100 ns Max.
RF Power	27 dBm CW Max.
DC Supply	+5V, -5V
RF Connector Type	SMA Female
DC Interface	Solder PIN



Design to meet the following environmental specifications: (verification optional)

1. Operating Temp: $-55^{\circ}C$ to $+85^{\circ}C$
2. Storage Temp: $-65^{\circ}C$ to $+125^{\circ}C$
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. Thermal Shock: MIL-STD-202F, M107, Cond A
7. Temp. Cycle: MIL-STD-202F, M105C, Cond D
8. Humidity: MIL-STD-202F, M103, Cond B
(Optional with Hysol epoxy seal)

Standard Finishing: Rugged Aluminum Housing, optional finishing with blue epoxy paint per MIL-C-22750 available on request.

Note:

1. Control:
 - TTL=0: J0-J1 Isolation, J0-J2 low loss
 - TTL=1: J0-J1 low loss, J0-J1 Isolation
2. Switching speed: 10% to 90% RF
3. Standard connector is SMA female for all the ports
4. Other connector combination is available on request