

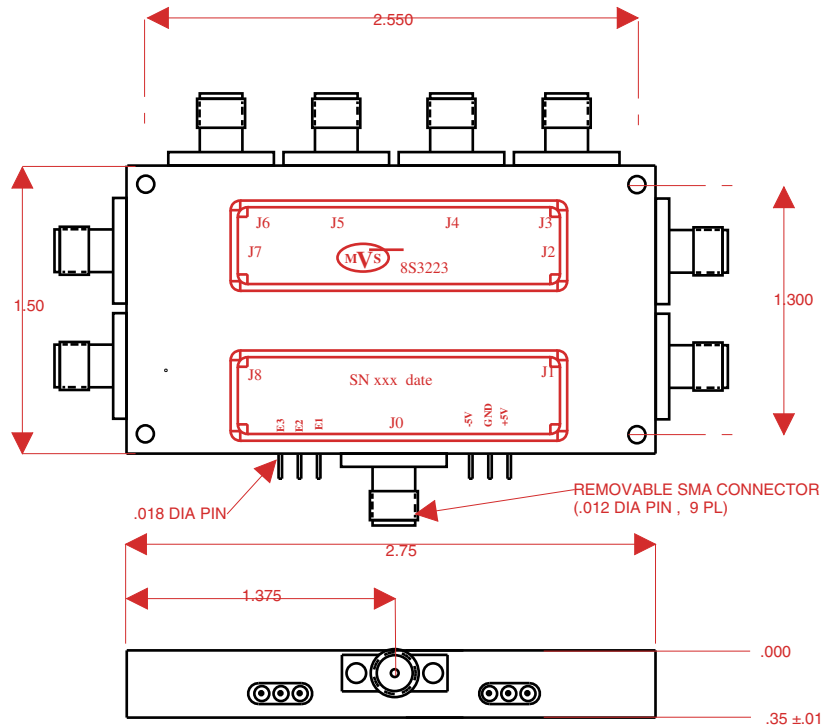
8S3223

SP8T SWITCH

with *REMOVABLE SMA CONNECTORS*

- Broad Band (2-18 GHz)
- Fast Switching
- Small Package
- -55°C to +125°C Operation

| TRUTH TABLE | | | |
|-------------|----|----|---------------|
| E3 | E2 | E1 | SELECTED PATH |
| 0 | 0 | 0 | J0 - J1 |
| 0 | 0 | 1 | J0 - J2 |
| 0 | 1 | 0 | J0 - J3 |
| 0 | 1 | 1 | J0 - J4 |
| 1 | 0 | 0 | J0 - J5 |
| 1 | 0 | 1 | J0 - J6 |
| 1 | 1 | 0 | J0 - J7 |
| 1 | 1 | 1 | J0 - J8 |



SPECIFICATIONS

| MODEL NUMBER | FREQUENCY RANGE (GHz) | VSWR MAX. | INSERTION LOSS (dB) MAX. | ISO. (dB) MIN. |
|--------------|-----------------------|-----------|--------------------------|----------------|
| 8S3223 | 2 - 18 | 2.0 | 3.5 | 60 |

Switching Speed (50% TTL to 10/90% RF) 100 ns Max
 Harmonic Generation (@ +20 dBm) 50 dBc Max
 TTL Control (3 Line) Decoded
 RF Power (No Performance Degradation) +23 dBm
 Power Supply Requirements +5V, -5V
 Operating Temperature Range -55° to +125°C

OPTIONS AVAILABLE

- Alternate Configurations
- Isolations to 80 dB
- Alternate Power Supplies
- Faster Speeds
- Extended Frequency Range
- Custom Screening

The 8S3223 SP8T with internal drivers is a sealed, integrated switching network, using passivated PIN diodes, thereby minimizing electrical parasitics. This enables the SP8T switch to work over extremely wide bandwidths. This switch is ruggedly built and conservatively rated to insure highly reliable operation. The 8S3223 SP8T incorporates a TTL PIN diode driver integrated with the MVS solid state RF section and bias filtering circuits. MVS switches are ideally suited for microwave sub-assemblies, where many system functions must be integrated together. The 8S3223 SP8T is perfect for high-speed channel selection or pulse modulation.