

2S3020 SERIES

SPDT SWITCHES

(2 - 18 GHz)

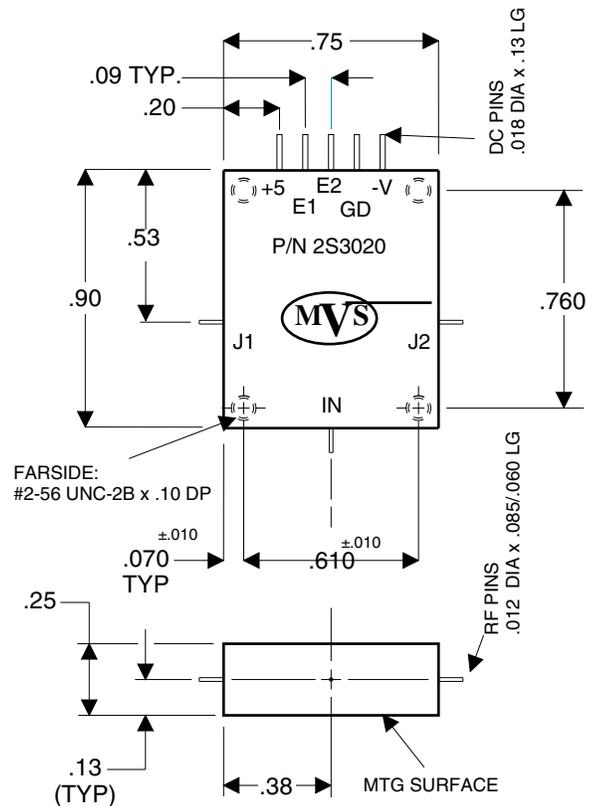
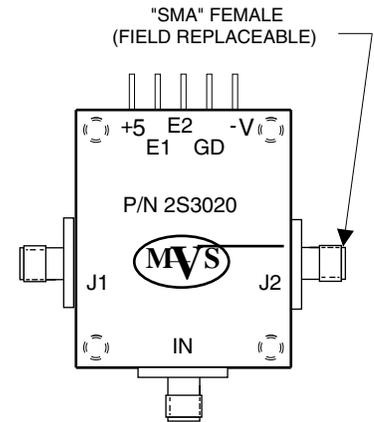
- Integral TTL Drivers
- Reduced Harmonics
- Removable Connectors
- -55°C to +125°C Operation

SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE (GHz)	VSWR MAX.	INSERTION LOSS (dB) MAX.	ISO. (dB) MIN.
2S3021	2 - 8	1.7	1.5	60
2S3022	4 - 12	1.8	1.8	60
2S3023	6 - 18	1.9	2.2	55
2S3024	2 - 18	2.0	2.4	55

Switching Speed (50% TTL to 10/90% RF) 50 ns Max
Harmonic Generation (@ +20 dBm) **60 dBc Max**
 TTL Control (2 Line) "0" Select
RF Power (No Performance Degradation) **+27 dBm**
 Power Supply Requirements +5V, -15V
 Operating Temperature Range -55° to +125°C

The 2S3020 Series with internal drivers are sealed, integrated switching networks, using passivated PIN diodes, thereby minimizing electrical parasitics. This enables the SPDT switches to work over extremely wide bandwidths. These switches are ruggedly built and conservatively rated to insure highly reliable operation. The 2S3020 Series 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 2S3020 Series is perfect for high-speed channel selection or pulse modulation.



OPTIONS AVAILABLE

- Alternate Configurations
- Logic Decoding
- Isolations to 80 dB
- Alternate Power Supplies
- Integration of Filters
- Integration of Limiters
- Custom Screening