

SH SERIES

Sage Laboratories, Inc. has introduced a high power PIN diode switch assembly that operates in the JTIDS/Link 16 frequency range.

The model SH220 is intended for use in applications requiring mitigation of cosite interference in the IFF frequency bands. The device allows the user to select a low loss through path or an externally supplied filter path. This device features low loss, robust power handling, and is designed to operate in uninhabited airborne fighter environments.

Filtronic Signal Solutions continues to design and manufacture product offerings of passive and active components and integrated assemblies under the Sage Laboratories name.



FEATURES

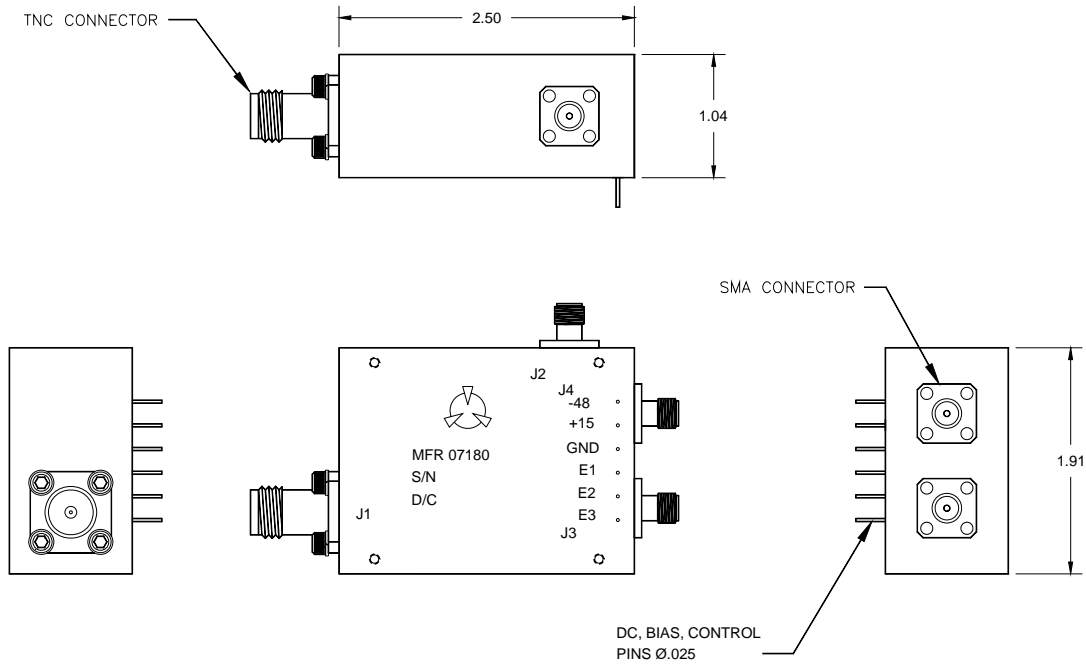
- High Power Handling
- Low Loss
- ± 5 VDC Control
- Wide Operating Temperature Range
- Compact Package

SPECIFICATIONS

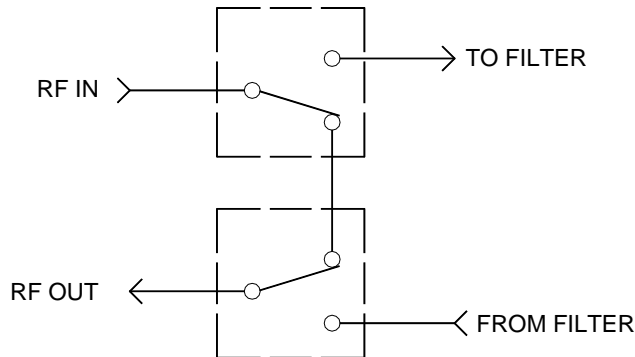
<i>PARAMETER</i>	<i>PERFORMANCE</i>
Frequency	960-1215 MHz
Insertion Loss	1.0 dB max.
Maximum Input Power	60 Watts Average; 250 Watts Peak (33% duty cycle), 400 Watts Peak (1% duty cycle)
Isolation	45 dB min.
VSWR	≤ 1.4:1
Switching Speed	1 μSec max.
Control Voltages	± 5 VDC; STANAG-3909 (other formats available)
Supply Voltages	+15 VDC @ 150 mA -48 VDC @ 25 mA
RF Connectors	Type TNC & SMA (Other connectors available)
Bias/Control Connectors	Feedthru I/O Pins
Operating Temperature	-54°C to +75°C
Environmental	MIL-STD-5400, Class 2 or equivalent
Model Number	SH220



OUTLINE DRAWING



FUNCTIONAL DIAGRAM



MICSELLANIOUS:

1. Sage Laboratories Inc. "Standard Warranty and Order Terms and Conditions" apply to all orders.
2. All specifications subject to change without notice.
3. Check "Ordering and Availability Listing" for delivery and ordering information.
4. Contact our local Manufacturers Representative for pricing.

Specification Revision - 072706

