

SMA PIN Diode Switch SPST From 8 GHz to 12 GHz Rated at +20 dBm

FMSW6262 is a SPST Reflective Switch designed to operate over the 8.0 GHz to 12.0 GHz Frequency Range. The switch is designed to maintain low insertion loss, high isolation, and fast switching speed.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|----------------------------|-----|-----|-----|-------|
| Frequency Range | 8 | | 12 | GHz |
| Impedance | | 50 | | Ohms |
| Insertion Loss | | 1.8 | | dB |
| Isolation | 70 | | | dB |
| Switching Time | | | 50 | ns |
| Input Power (CW) | | | 0.1 | Watts |
| Survival Power | | | 1 | Watts |
| Positive Operating Voltage | | 5 | | V |
| Negative Operating Voltage | | -15 | | V |
| Current @ 5 V | | 20 | | mA |
| Current @ -15 V | | 20 | | mA |
| Operating Temperature | -55 | | +85 | deg C |

Mechanical Specifications

| | |
|--------|------------------|
| Length | 1 in [25.4 mm] |
| Width | 1 in [25.4 mm] |
| Height | 0.5 in [12.7 mm] |
| Finish | Blue |

Configuration

| | |
|-------------------|----------------------|
| Package Type | Connectorized Module |
| Design | SPST, Reflective |
| RF Connector | SMA Female |
| Control Connector | Pin |

Environmental Specifications

Temperature

| | |
|-----------------|-------------------|
| Operating Range | -55 to +85 deg C |
| Storage Range | -65 to +125 deg C |

| | |
|---------------------|--|
| Humidity | MIL-STD-202F, Method 103B, Condition B |
| Shock | MIL-STD-202F, Method 213B, Condition B |
| Vibration | MIL-STD-202F, Method 204D, Condition B |
| Altitude | MIL-STD-202F, Method 105C, Condition B |
| Temperature Cycling | MIL-STD-202F, Method 107D, Condition A |



Features:

- SPST Reflective Switch
- 8.0 GHz to 12.0 GHz
- Insertion Loss 1.8 dB typ
- Isolation 70 dB min
- Power Input 20 dBm CW max

Applications:

- Test & Measurement
- Military Communication
- Commercial Communication

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ESD Sensitivity

ESD Sensitive Material, Transport material in Approved ESD bags. Handle only in ESD Workstation.

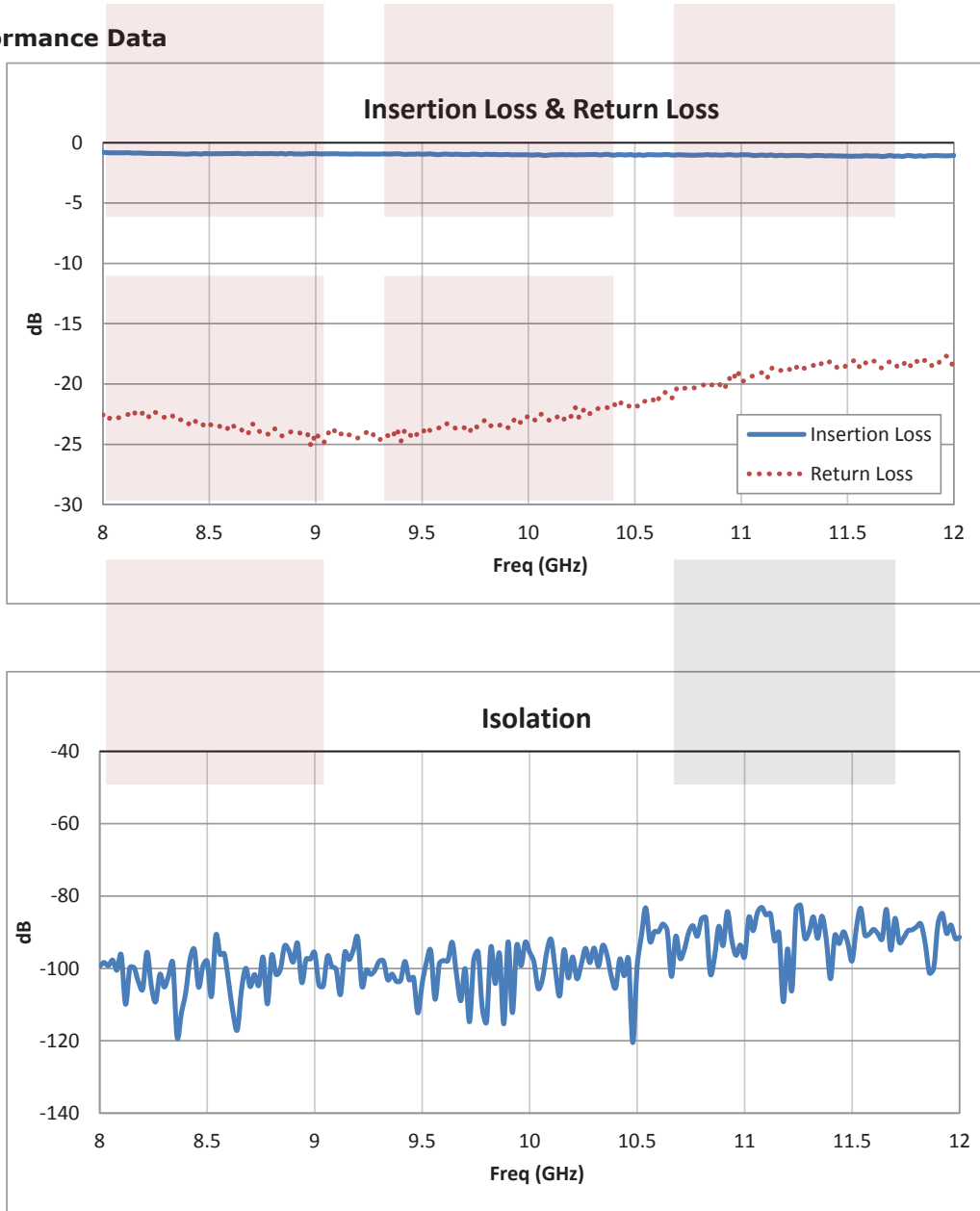


Compliance Certifications (visit www.FairviewMicrowave.com for current document)
 REACH Compliant 12/17/2015

Plotted and Other Data

Notes:

Typical Performance Data



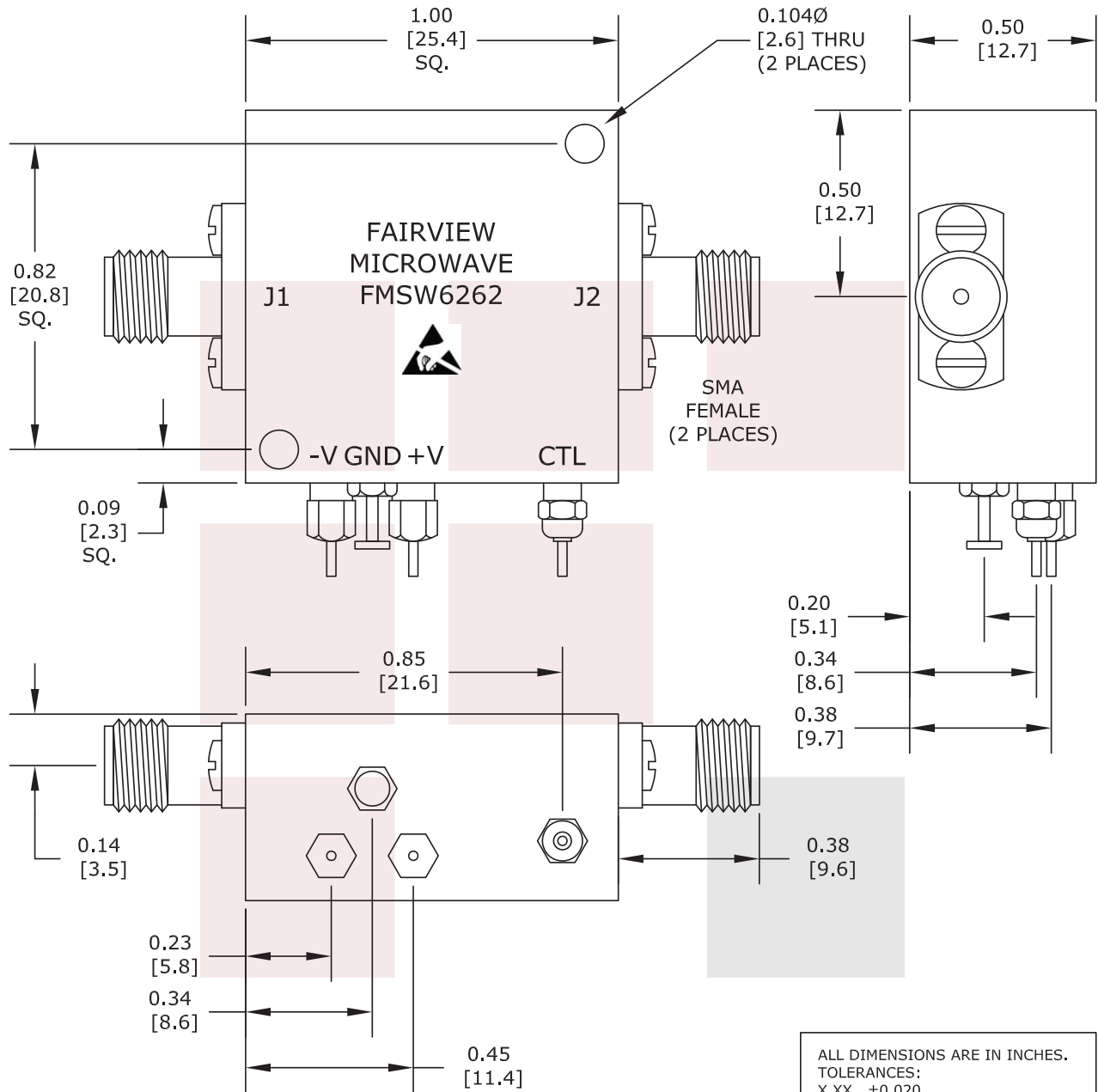
SMA PIN Diode Switch SPST From 8 GHz to 12 GHz Rated at +20 dBm from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA PIN Diode Switch SPST From 8 GHz to 12 GHz Rated at +20 dBm FMSW6262](#)

URL: <http://www.fairviewmicrowave.com/sma-pin-diode-switch-spst-8-12-ghz-rated-20-dbm-fmsw6262-p.aspx>

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ALL DIMENSIONS ARE IN INCHES.
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

* THESE DIMENSIONS AND TOLERANCES SUPERSEDE NOTE #1 ON TITLE BLOCK.

| | | | | | |
|---|--------|---|-------|--------------------|-------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | | | |
| TITLE SMA PIN Diode Switch SPST From 8 GHz to 12 GHz Rated at +20 dBm | | DWG NO FMSW6262 | | CAGE CODE 3FKR5 | |
| CAD FILE | 011316 | SHEET | SCALE | N/A | SIZE A 2233 |