

SPDT Failsafe Electro-Mechanical Relay Switch From DC to 26.5 GHz, 20 Watts, SMA

FMSW6326 is SPDT Switch that operates from DC to 26.5 GHz, has a failsafe actuator, 1M life cycles and operates at a voltage of 12 Volts.

Electrical Specifications

Switch Type	SPDT, Reflective
Actuator Type	Failsafe
Switching Sequence	Break Before Make

Description	Min	Typ	Max	Units
Frequency Range	DC		26.5	GHz
Impedance		50		Ohms
Operating Voltage		12		Volts
Actuating Current @ 12 Volts		300		mA
Input Power (CW) (26.5 GHz)			20	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 4	4 - 8	8 - 12	12 - 18	18 - 26.5	GHz
VSWR, Max	1.25:1	1.25:1	1.3:1	1.35:1	1.5:1	
Insertion Loss, Max	0.2	0.25	0.3	0.4	0.5	dB
Isolation, Min	80	75	70	60	50	dB

Mechanical Specifications

Size	
Length	1.25 in [31.75 mm]
Width/Diameter	1.25 in [31.75 mm]
Height	0.5 in [12.7 mm]
Body Material and Plating	Aluminum, Nickel
Operating Life	1,000,000 Cycles
Switching Time	15 ms Max
Connectors	
RF Connector Type	SMA Female
RF Connector Contact Material & Plating	Beryllium Copper, Gold
RF Connector Body Material & Plating	Passivated Stainless Steel
Control Connector	Solder Pin



Features:

- SPDT Switch
- DC to 26.5 GHz Operating Frequency Range
- 1 M Cycles min
- Failsafe Switch

Applications:

- Test & Measurement
- Military Communication
- Commercial Communication

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Environmental Specifications

Temperature

Operating Range

ESD Sensitivity

-55 to +85 deg C

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

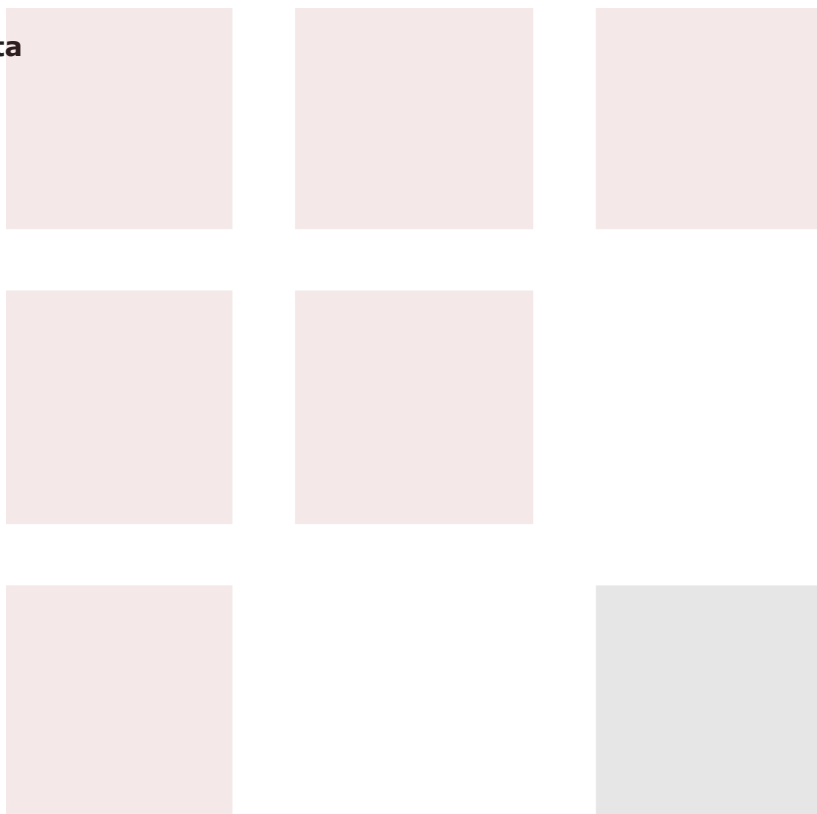


Compliance Certifications (visit www.FairviewMicrowave.com for current document)

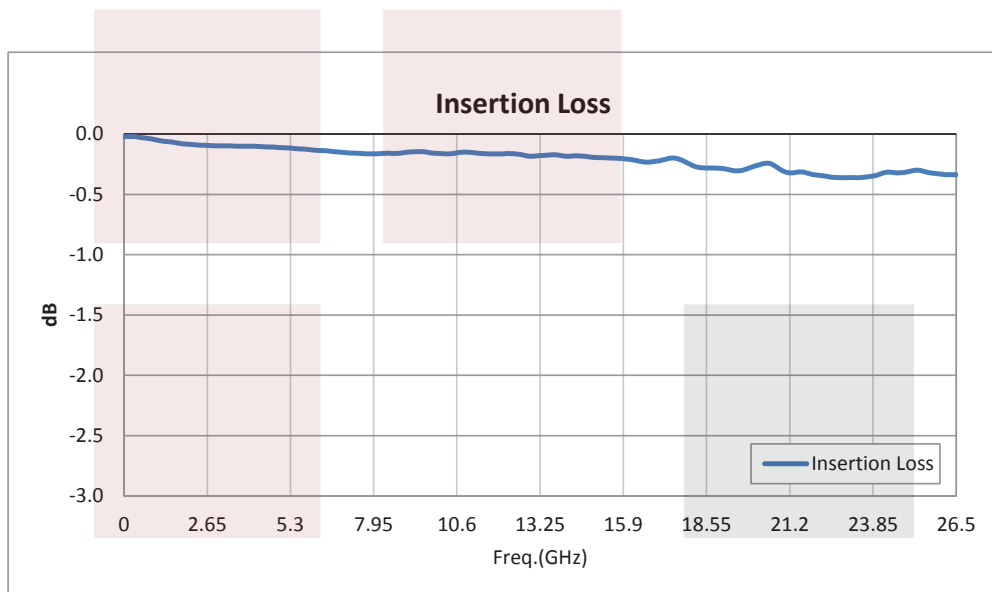
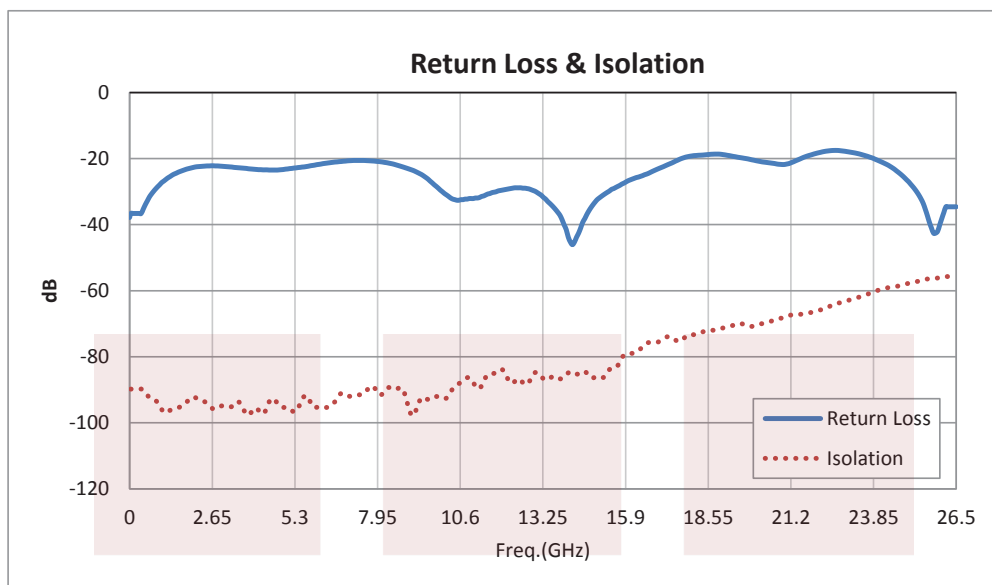
RoHS Compliant

Plotted and Other Data

Notes:



Typical Performance Data



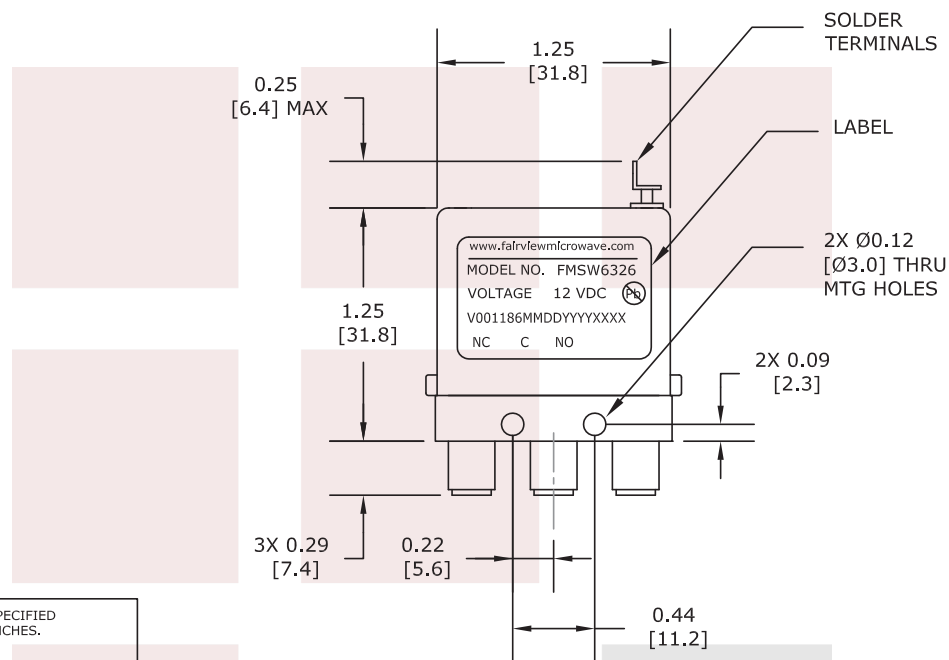
SPDT Failsafe Electro-Mechanical Relay Switch From DC to 26.5 GHz, 20 Watts, SMA from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SPDT Failsafe Electro-Mechanical Relay Switch From DC to 26.5 GHz, 20 Watts, SMA FMSW6326](#)

URL: <http://www.fairviewmicrowave.com/spdt-failsafe-electro-mechanical-relay-switch-fmsw6326-p.aspx>

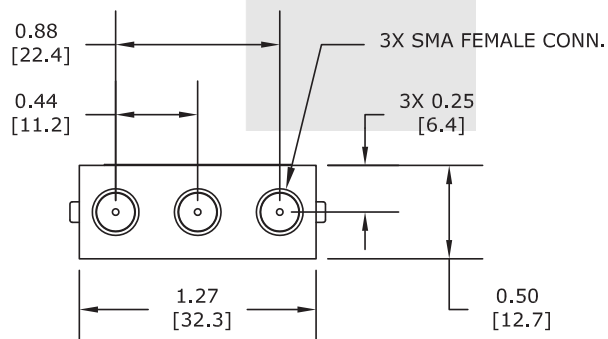
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	
DECIMALS .XX ± .03 (0.76) .XXX ± .010 (0.254)	ANGLES ±1° FRACTIONS ±1/16
HOLE DIAMETER	TOLERANCE
.0135 TO .125 (0.343 TO 3.175)	+.004 TO -.001 (+0.102 TO -.025)
.126 TO .250 (3.200 TO 6.350)	+.005 TO -.001 (+0.127 TO -.025)
.251 TO .500 (6.375 TO 12.700)	+.006 TO -.001 (+0.152 TO -.025)
.501 TO .750 (12.725 TO 19.050)	+.008 TO -.001 (+0.203 TO -.025)
.751 TO 1.000 (19.075 TO 25.400)	+.010 TO -.001 (+0.254 TO -.025)
1.001 TO 2.000 (25.425 TO 50.800)	+.012 TO -.001 (+0.305 TO -.025)

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

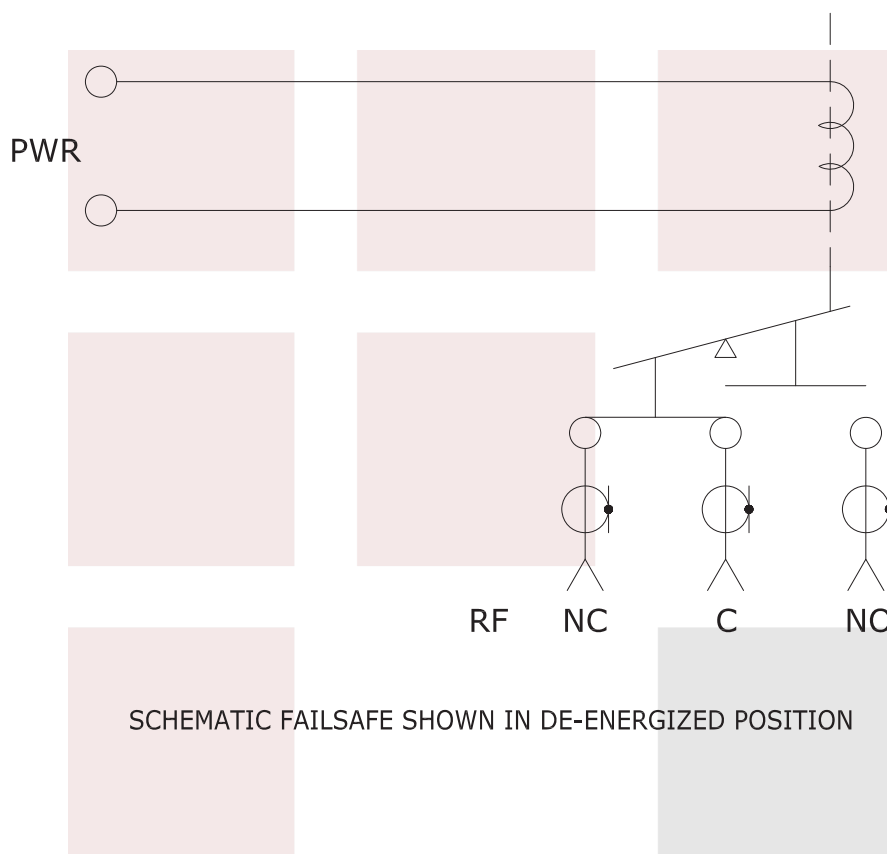


FAIRVIEW MICROWAVE INC.
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

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
SPDT Failsafe Electro-Mechanical Relay Switch From
DC to 26.5 GHz, 20 Watts, SMA

DWG NO	FMSW6326	CAGE CODE	3FKR5
CAD FILE	120815	SHEET	SCALE N/A SIZE A 2233



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 SPDT Fail-safe Electro-Mechanical Relay Switch From DC to 26.5 GHz, 20 Watts, SMA	DWG NO FMSW6326		CAGE CODE 3FKR5			
	CAD FILE 120815	SHEET	SCALE N/A	SIZE A	2233	