

## Manual SPDT Toggle Switch from DC to 18 GHz, SMA Female, and Rated to 40 Watts

FMSM1001 is a manual single pole double throw (SP2T) RF coaxial Switch, with a manual toggle actuator configuration. This unit operates across the DC to 18 GHz Frequency Range with a max VSWR of 1:51 and a maximum Insertion Loss Of 0.3 dB. It features a housing with SMA female connectors and a minimum Isolation of 60dB

### Electrical Specifications

Actuator Type Manual  
 Selector Type Toggle  
 RF Connector Type SMA Female

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.5:1	
Isolation	60			dB

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 4	4 - 12.4	12.4 - 18			GHz
VSWR, Max	1.2:1	1.3:1	1.5:1			
IL, Max	0.1	0.2	0.3			dB
Isolation, Min	80	70	60			dB
Power In, Max (CW)	80	45	40			Watts

### Mechanical Specifications

**Size**  
 Length 1.34 in [34.04 mm]  
 Width/Diameter 0.5 in [12.7 mm]  
 Height 1.97 in [50.04 mm]  
 Weight 0.125 lbs [56.7 g]

**Connectors**  
 RF Connector Type SMA Female

### Environmental Specifications

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:



### Features:

- SP2T
- Manual Toggle Switch
- 60 dB min Isolation
- DC to 18 GHz
- Low VSWR
- SMA Female Connectors

### Applications:

- Test and Measurements
- Redundancy Systems
- Manual Switching between antenna bands
- OEM Front Panel Control

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Manual SPDT Toggle Switch from DC to 18 GHz, SMA Female, and Rated to 40 Watts 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Manual SPDT Toggle Switch from DC to 18 GHz, SMA Female, and Rated to 40 Watts FMSM1001](#)

URL: <https://www.fairviewmicrowave.com/0-port-sma-manual-coaxial-switch-surge-protection-dc-18-ghz-0watts-fmsm1001-p.aspx>

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