

Manual SP4T Switch from DC to 18 GHz, SMA Female, and Rated to 30 Watts

FMSM1003



Features

- SP4T
- Manual Toggle Switch
- 60 dB min Isolation
- DC to 18 GHz
- Low VSWR 1.5:1 Max
- SMA Female Connectors

Applications

- Test and Measurements
- Redundancy Systems
- Manual Switching between antenna bands (special ops vehicles)
- OEM Front Panel Control

Description

FMSM1003 is a manual single pole four throw (SP4T) 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 1.5:1 and a maximum Insertion Loss of 0.5 dB. It features a housing with SMA female connectors and a minimum Isolation of 60 dB.

Electrical Specifications

Design	SP4T
Actuator Type	Manual
Selector Type	Knob
RF Connector Type	SMA Female

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 4	4 - 12.4	12.4 - 18			GHz
VSWR, Max	1.25:1	1.4:1	1.5:1			
IL, Max	0.2	0.3	0.5			dB
Isolation, Min	60	60	60			dB
Power In, Max (CW)	70	40	30			Watts

Mechanical Specifications

Size	
Length	1.75 in [44.45 mm]
Width/Diameter	1.75 in [44.45 mm]
Height	1.25 in [31.75 mm]
Weight	0.01 lbs [4.54 g]

Connectors

RF Connector Type	SMA Female
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Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

Manual SP4T Switch from DC to 18 GHz, SMA Female, and Rated to 30 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 SP4T Switch from DC to 18 GHz, SMA Female, and Rated to 30 Watts FMSM1003](#)

URL: <https://www.fairviewmicrowave.com/4-port-sma-manual-coaxial-switch-surge-protection-dc-18-ghz-0watts-fmsm1003-p.aspx>

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FMSM1003 CAD Drawing
Manual SP4T Switch from DC to 18 GHz, SMA Female, and Rated to 30 Watts

