

Manual SPDT Toggle Switch from DC to 12.4 GHz, N-Type Female, and Rated to 100 Watts



FMSM1002

Features

- SP2T
- Manual Toggle Switch
- 55 dB min Isolation
- DC to 12.4 GHz
- Low VSWR 1.6:1 Max
- N-Type Female Connectors

Applications

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

Description

FMSM1002 is a manual single pole double throw (SP2T) RF coaxial Switch, with a manual toggle actuator configuration. This unit operates across the DC to 12.4 GHz Frequency Range with a max VSWR of 1.6:1 and a maximum Insertion Loss Of 0.6 dB. It features a housing with N-Type female connectors and a minimum Isolation of 55 dB.

Electrical Specifications

Design	SPDT
Actuator Type	Manual
Selector Type	Toggle
RF Connector Type	N Female

Description	Min	Typ	Max	Units
Frequency Range	DC		12.4	GHz
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 7	7 - 12.4				GHz
VSWR, Max	1.25:1	1.6:1				
IL, Max	0.3	0.6				dB
Isolation, Min	60	55				dB
Power In, Max (CW)	120	100				Watts

Mechanical Specifications

Size	
Length	2.13 in [54.1 mm]
Width/Diameter	2.63 in [66.8 mm]
Height	1 in [25.4 mm]
Weight	0.01 lbs [4.54 g]

Connectors	
RF Connector Type	N Female

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Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

Manual SPDT Toggle Switch from DC to 12.4 GHz, N-Type Female, and Rated to 100 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 12.4 GHz, N-Type Female, and Rated to 100 Watts FMSM1002](#)

URL: <https://www.fairviewmicrowave.com/0-port-n-manual-coaxial-switch-surge-protection-dc-12.4-ghz-0watts-fmsm1002-p.aspx>

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FMSM1002 CAD Drawing

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