

SP2T 2.92mm Female Manual Toggle Switch DC to 40 GHz, Rated to 20 Watts



PE7SM1004

Features

- SP2T
- Manual Toggle Switch
- 40 dB min Isolation
- DC to 40 GHz
- Low VSWR 1.9:1 Max
- 2.92mm Female Connectors

Applications

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

Description

PE7SM1004 is a manual single pole double throw (SP2T) RF coaxial Switch, with a manual toggle actuator configuration. This unit operates across the DC to 40 GHz Frequency Range with a max VSWR of 1.9:1 and a maximum Insertion Loss of 0.9 dB. It features a housing with SMA female connectors and a minimum Isolation of 40 dB.

Electrical Specifications

Design	SPDT
Actuator Type	Manual
Selector Type	Toggle
RF Connector Type	2.92mm Female
RF Connector Specs.	MIL-C-39012

Description	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
VSWR			1.9:1	
Insertion Loss			0.9	
Isolation	40			dB
Input Power (CW)			21	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 6	6 - 12	12 - 18	18 - 26.5	26.5 - 40	GHz
VSWR, Max	1.3:1	1.4:1	1.5:1	1.7:1	1.9:1	
IL, Max	0.2	0.4	0.5	0.7	0.9	dB
Isolation, Min	70	60	60	40	40	dB
Power In, Max (CW)	60	40	30	28	21	Watts

Mechanical Specifications

Size	
Length	0.99 in [25.15 mm]
Width/Diameter	1.5 in [38.1 mm]
Height	0.5 in [12.7 mm]

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Weight	0.02 lbs [9.07 g]
Connectors	
RF Connector Type	2.92mm Female
RF Connector Specs.	MIL-C-39012

Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

SP2T 2.92mm Female Manual Toggle Switch DC to 40 GHz, Rated to 20 Watts from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SP2T 2.92mm Female Manual Toggle Switch DC to 40 GHz, Rated to 20 Watts PE7SM1004](#)

URL: <https://www.pasternack.com/0-port-2.92mm-manual-coaxial-switch-surge-protection-dc-40-ghz-0watts-pe7sm1004-p.aspx>

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PE7SM1004 CAD Drawing

SP2T 2.92mm Female Manual Toggle Switch DC to 40 GHz, Rated to 20 Watts

