

SPDT Electromechanical Relay Latching Switch DC to 26.5 GHz, SMA, 20 Watts, 28V Control, Self Cut Off, Diodes



Electromechanical Relay Switches Technical Data Sheet PE71S6099

Features• Single Pole Double Throw Relay Switch• DC to 26.5 GHz Frequency Range• 1M Cycle Min Operating Life• Latching Actuator• Self Cut Off, Suppression Diodes• Test & Measurement• Communications System• Instrumentation

Description

The PE71S6099 is a Single Pole Double Throw Electromechanical Relay Switch that operates from DC to 26.5 GHz and has a rating of 20 Watts input power (CW) in a Break Before Make condition. The design features a Latching Actuator with Self Cut Off circuitry, Suppression Diodes and is rated for 1M Life Cycles for high reliability operation. Insertion loss is specified from 0.2 dB max and Isolation from 80 dB min, with +28 Vdc operating voltage. Performance is guaranteed over -25°C to +85°C and the switch assembly is RoHS compliant. The package interface uses solder terminals and SMA Female connectors.

Electrical Specifications

Switch Type	SPDT, Reflective
Actuator Type	Latching
Switching Sequence	Break Before Make
Actuator Options	Self Cut Off, Diodes
Polarity	Positive Common

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
Impedance		50		Ohms
Operating Voltage		28		Volts
Actuating Current @ 28 Volts		95		mA
VSWR			1.5:1	
Insertion Loss			0.5	dB
Isolation	50			dB
Input Power (CW)			20	Watts
(at 26.5 GHz)				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SPDT Electromechanical Relay Latching Switch DC to 26.5 GHz, SMA, 20 Watts, 28V Control, Self Cut Off, Diodes PE71S6099

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Electromechanical Relay Switches Technical Data

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Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 4	4 to 8	8 to 12	12 to 18	18 to 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

1.83 in [46.48 mm]

1.27 in [32.26 mm] 0.5 in [12.7 mm]

Connectorized Module 1,000,000 Cycles

Beryllium Copper, Gold

Passivated Stainless Steel

ESD Sensitive Material. Transport material in Approved ESD bags. Handle in approved ESD Workstation.

0.14 lbs [63.5 g]

Aluminum

20 ms Max

SMA Female

Solder Pin

-25 to +85 deg C

Mechanical Specifications

Size Lenath Width/Diameter Height Weight

Body Material and Plating Package Type

Operating Life Switching Time

Connectors

RF Connector Type RF Connector Contact Material and Plating RF Connector Body Material and Plating **Control Connector**

Environmental Specifications

Temperature **Operating Range** ESD Sensitivity



Environmental Specification Notes: Designed to Meet MIL-DTL-3928

Compliance Certifications (visit www.Pasternack.com for current document) **RoHS** Compliant

Plotted and Other Data

Notes:

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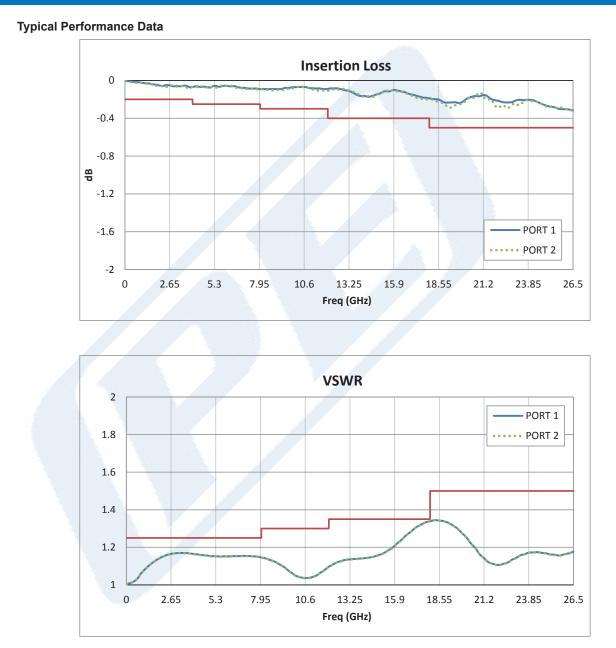


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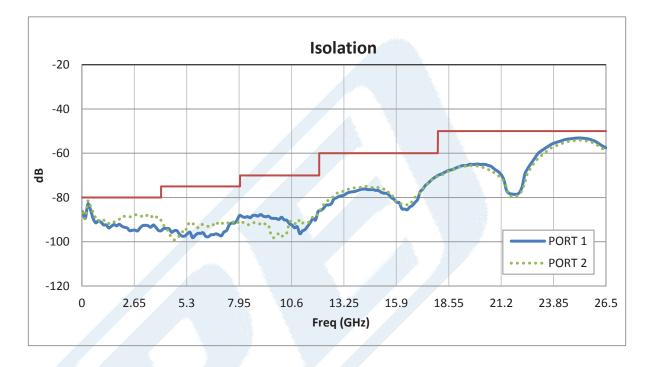




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URL: http://www.pasternack.com/sma-spdt-electromechanical-relay-switch-26.5-ghz-latching-pe71s6099-p.aspx

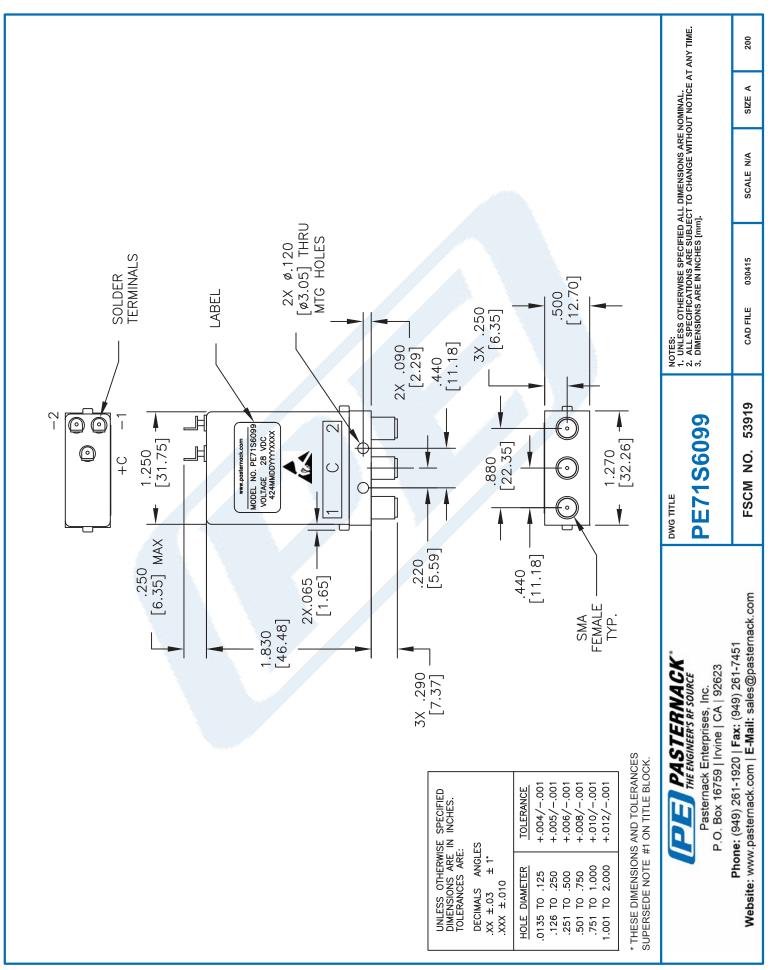
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PE71S6099 CAD Drawing

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