

SPDT Electromechanical Relay Failsafe Switch DC to 18 GHz, SMA, 20 Watts, 28V Control



Electromechanical Relay Switches Technical Data Sheet

PE71S6327

Features

- Single Pole Double Throw (SPDT) Relay Switch
- DC to 18 GHz Frequency Range
- 1M Cycle Operating Life Min
- · Failsafe Actuator

- Insertion Loss 0.4 dB max
- Isolation 60 dB min
- 20 Watts Avg Power Max
- · Switching Sequence Break Before Make

Applications

- Test & Measurement
- Military Communication
- Commercial Communication
- Wireless Communications
- SATCOM
- · Military Electronic Systems

RF Test Stations

Description

The PE71S6327 is a Single Pole Double Throw (SPDT) RF Coaxial Relay Switch that operates from DC to 18 GHz and can handle up to 20 Watts of CW input power at 18 GHz in a Break Before Make condition. The design features a Failsafe Actuator and is rated for 1M Life Cycles. Insertion Loss is specified from 0.4 dB max and Isolation from 60 dB min, with +28 Vdc operating voltage. Performance is guaranteed over -55°C to +85°C. The package interface uses solder terminals and SMA female connectors.

Electrical Specifications

Switch Type **Actuator Type**

Switching Sequence

SPDT, Reflective

Failsafe

Break Before Make

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Operating Voltage		28		Volts
Actuating Current @ 28 Volts		135		mA
Input Power (CW)			20	Watts
(18 GHz)				

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 4	4 to 8	8 to 12	12 to 18		GHz
VSWR, Max	1.25:1	1.25:1	1.3:1	1.35:1		
Insertion Loss, Max	0.2	0.25	0.3	0.4		dB
Isolation, Min	80	75	70	60		dB

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 Failsafe Switch DC to 18 GHz, SMA, 20 Watts, 28V Control PE71S6327

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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Mechanical Specifications

Size

Length

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

1.25 in [31.75 mm] 1.25 in [31.75 mm] 0.5 in [12.7 mm] 0.172 lbs [78.02 g]

Aluminum, Nickel Connectorized

1,000,000 Cycles

15 ms Max

SMA Female

Beryllium Copper, Gold

Passivated Stainless Steel

Solder Pin

-55 to +85 deg C

ESD Sensitive Material, Transport material in Approved

ESD bags. Handle only in ESD Workstation.



Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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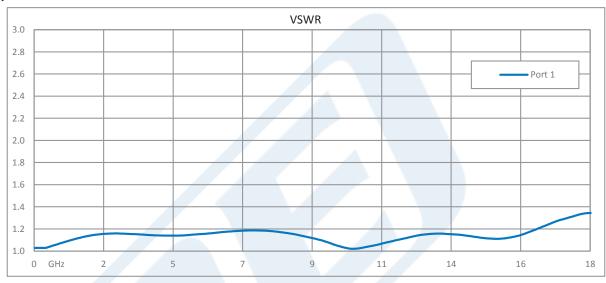
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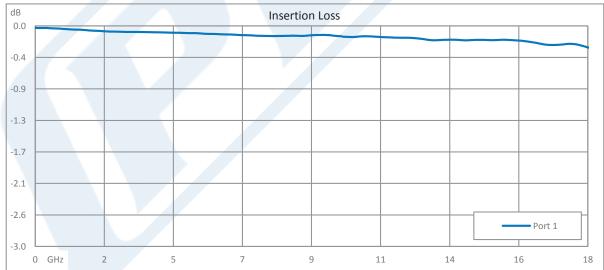


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Typical Performance Data





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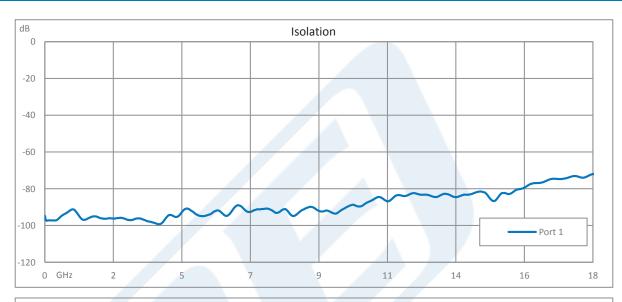


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SPDT Electromechanical Relay Failsafe Switch DC to 18 GHz, SMA, 20 Watts, 28V Control from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/sma-spdt-electromechanical-relay-failsafe-switch-pe71s6327-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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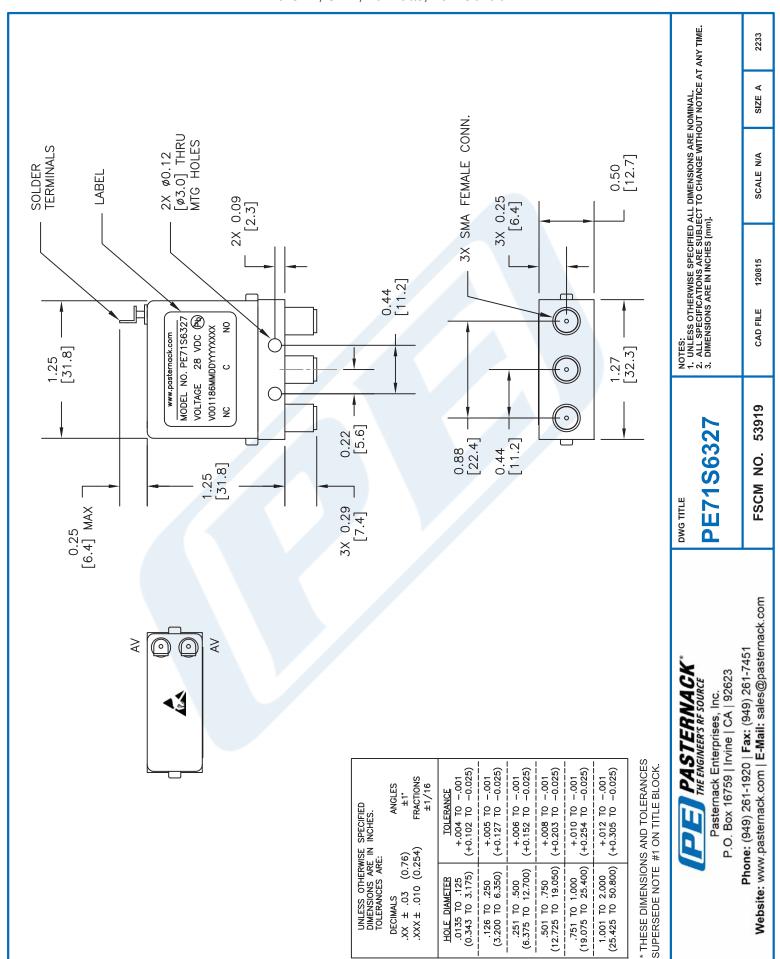




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PE71S6327 CAD Drawing

SPDT Electromechanical Relay Failsafe Switch DC to 18 GHz, SMA, 20 Watts, 28V Control



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