



SPDT Electromechanical Relay Failsafe Switch DC to 26.5 GHz, SMA, 20 Watts, 28V Control, TTL, Diodes, Indicators

Electromechanical Relay Switches Technical Data Sheet PE71S6097

· Single Pole Double Throw Relay Switch Insertion Loss 0.5 dB max DC to 26.5 GHz Frequency Range Isolation 50 dB min 1M Cycle Min Operating Life 20 Watts Avg Power Max Failsafe Actuator Switching Sequence Break Before Make TTL Logic Driver, Position Indicators, Suppression

Diodes Applications

Features

- Test & Measurement
- · Communications System
- Instrumentation

Description

The PE71S6097 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 Failsafe Actuator with TTL Logic Driver, Position Indicators, 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 -55°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	
Actuator Type	
Switching Sequence	
Actuator Options	
TTL Control	

SPDT. Reflective Failsafe Break Before Make TTL Logic, Diodes, Indicators on: 2.4 to 5 Volts off: 0 to 0.8 Volts

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
Impedance		50		Ohms
Operating Voltage		28		Volts
Actuating Current @ 28 Volts		135		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 Failsafe Switch DC to 26.5 GHz, SMA, 20 Watts, 28V Control, TTL, Diodes, Indicators PE71S6097

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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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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

Mechanical Specifications

Size Length Width/Diameter Height Weight Body Material an

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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Beryllium Copper, Gold Passivated Stainless Steel Solder Pin

1.83 in [46.48 mm]

1.27 in [32.26 mm]

Connectorized Module 1,000,000 Cycles

0.5 in [12.7 mm] 0.165 lbs [74.84 q]

Aluminum

35 ms Max

SMA Female

-55 to +85 deg C ESD Sensitive Material. Transport material in Approved ESD bags. Handle in approved ESD Workstation.

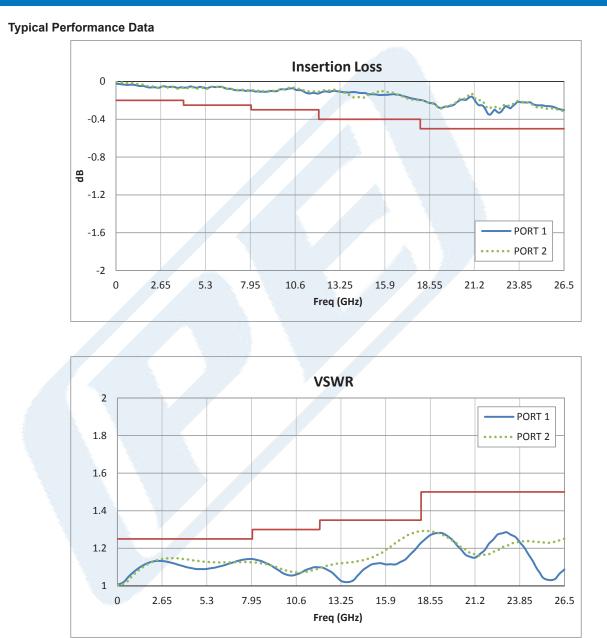




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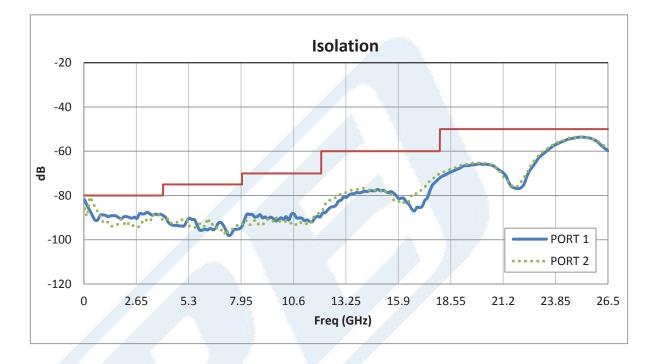




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URL: http://www.pasternack.com/sma-spdt-electromechanical-relay-switch-26.5-ghz-indicators-failsafe-pe71s6097-p.aspx

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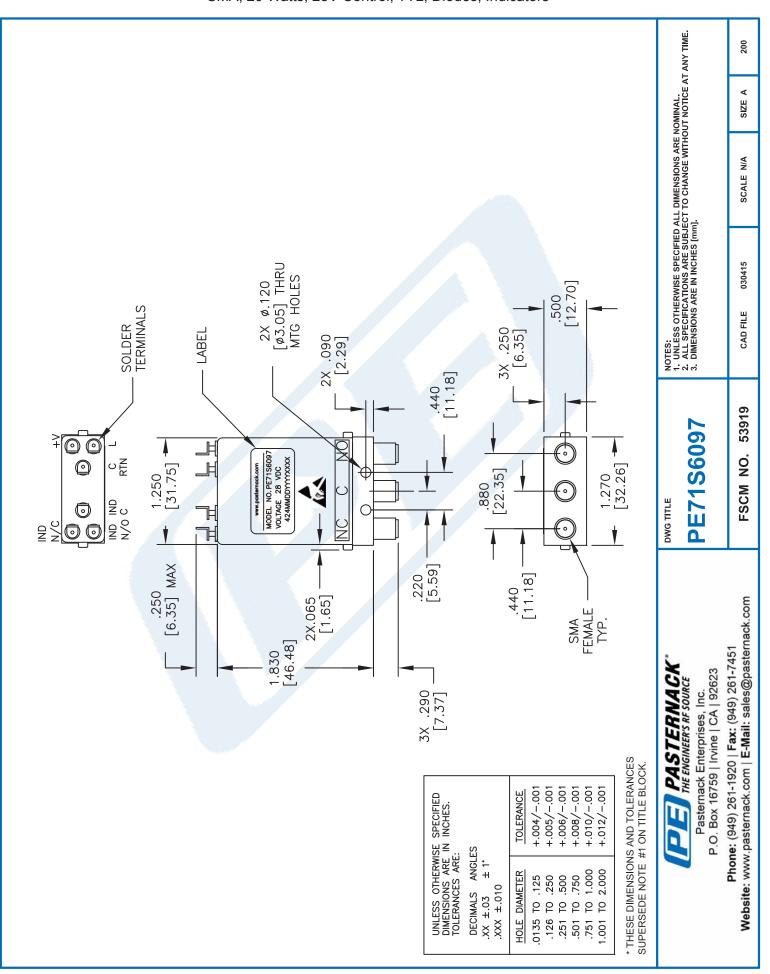
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PE71S6097 CAD Drawing

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