

Easturas





Electromechanical Relay Switches Technical Data Sheet

PE71S6147

 Single Pole Six Throw Relay Sw DC to 40 GHz Frequency Rang 1M Cycle Min Operating Life Latching Actuator Self Cut Off, Reset, Suppression 	 Isolation 50 dB min 3 Watts Avg Power Max Switching Sequence Break Before Make
Applications	
Test & Measurement	Communications System Instrumentation
rating of 3 Watts input power (CW) in	Throw Electromechanical Relay Switch that operates from DC to 40 GHz and has a Break Before Make condition. The design features a Latching Actuator with Self C
Off, Reset circuitry, Suppression Diode from 0.2 dB max and Isolation from 70	a Break Before Make condition. The design features a Latching Actuator with Self C s and is rated for 1M Life Cycles for high reliability operation. Insertion loss is specifie dB min, with +28 Vdc operating voltage and performance is guaranteed over -35°C Ider terminals and 2.92mm Female connectors.

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Operating Voltage	24	28	30	Volts
Actuating Current @ 28 Volts			200	mA
VSWR			2:1	
Insertion Loss			0.9	dB
Isolation	50			dB
Input Power (CW)			3	Watts
(40 GHz)				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SP6T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Self Cut Off, Reset, Diodes PE71S6147

ISO 9001 : 2008 Registered

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

Sales@Pasternack.com • Techsupport@Pasternack.com





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		_	
Performance	by	Freq	uency

Description	F1	F2	F 3	F4	F5	Units
Frequency Range	DC to 6	6 to 12	12 to 18	18 to 26.5	26.5 to 40	GHz
VSWR, Max	1.3:1	1.4:1	1.5:1	1.7:1	2:1	
Insertion Loss, Max	0.2	0.4	0.5	0.8	0.9	dB
Isolation, Min	70	60	60	55	50	dB

2.375 in [60.33 mm]

2.25 in [57.15 mm]

2.25 in [57.15 mm] 0.53 lbs [240.4 g]

Connectorized Module 1,000,000 Cycles

Beryllium Copper, Gold

Passivated Stainless Steel

Aluminum

35 ms Max

Solder Pin

2.92mm Female

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) Not RoHS Compliant

Plotted and Other Data

Notes:

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-35 to +85 deg C ESD Sensitive Material. Transport material in Approved ESD bags. Handle in approved ESD Workstation.

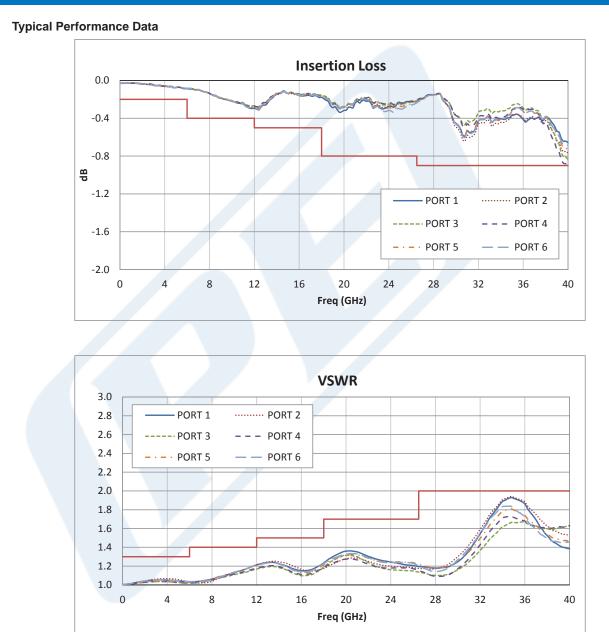




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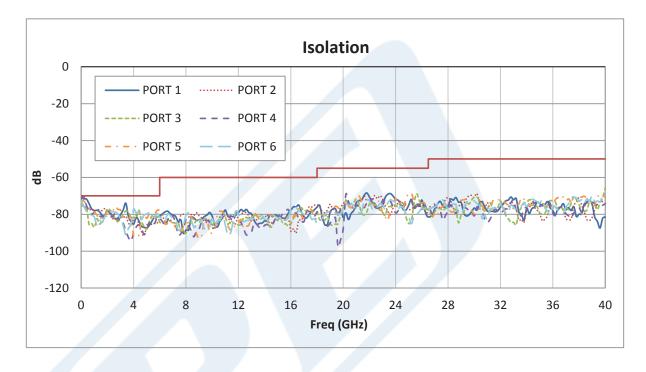




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SP6T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Self Cut Off, Reset, Diodes from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/2.92mm-sp6t-electromechanical-relay-switch-40-ghz-latching-pe71s6147-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.

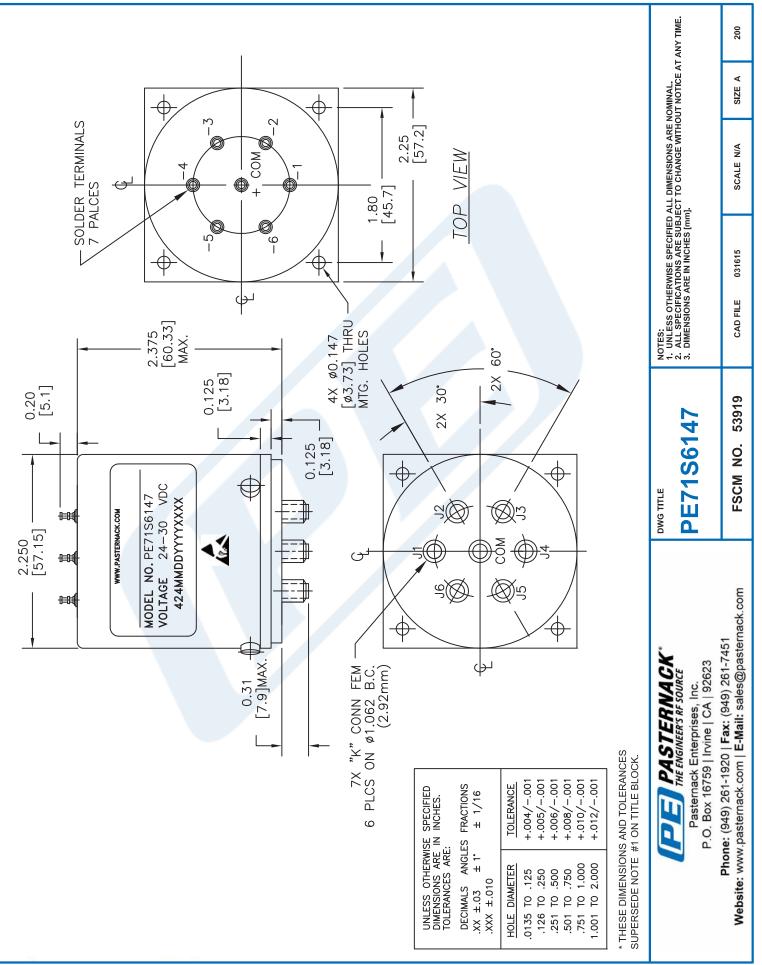
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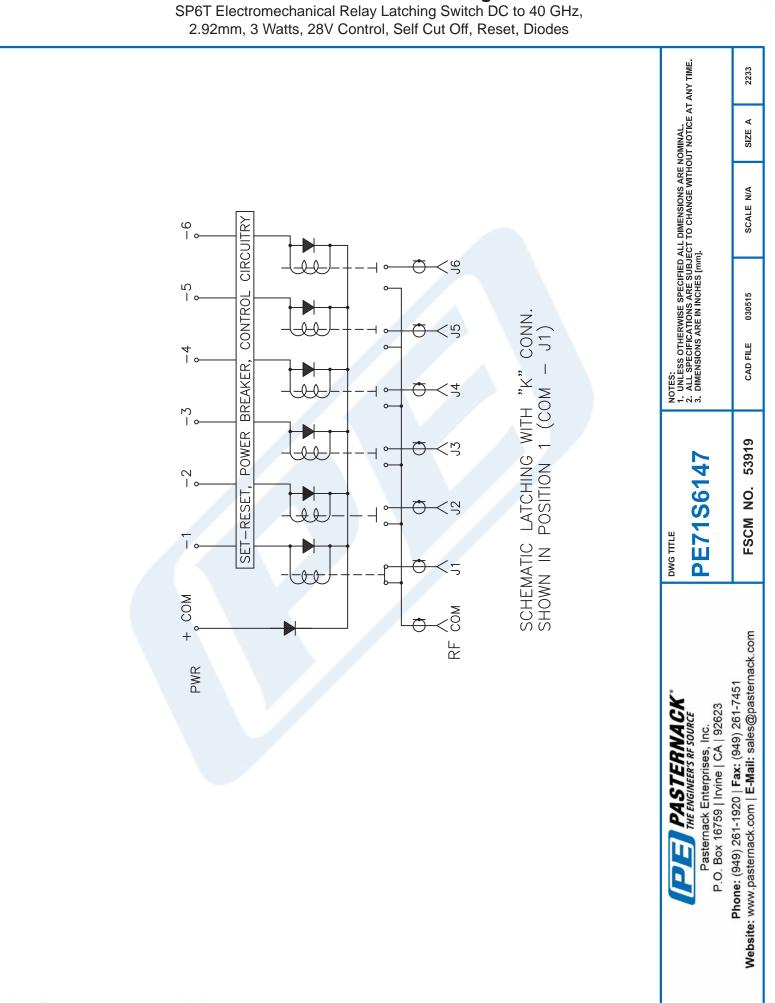


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PE71S6147 CAD Drawing

SP6T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Self Cut Off, Reset, Diodes





PE71S6147 CAD Drawing

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