



SPDT Electromechanical Relay Failsafe Switch DC to 40 GHz, 2.92mm, 10 Watts, 12V Control, Indicators, TTL, Diodes

Electromechanical Relay Switches Technical Data Sheet PE71S6104

 Single Pole Double Throw Rel 		 Insertion Loss 0.8 dB max 				
 DC to 40 GHz Frequency Ran 	ge • Isolation 5	 Isolation 50 dB min 				
 1M Cycle Min Operating Life 	 10 Watts A 	 10 Watts Avg Power Max 				
Failsafe Actuator	Switching	 Switching Sequence Break Before Make 				
 TTL Logic Driver, Position Indi 		·				
Diodes						
Applications						
 Test & Measurement 	 Communications System 	 Instrumentation 				

Description

The PE71S6104 is a Single Pole Double Throw Electromechanical Relay Switch that operates from DC to 40 GHz and has a rating of 10 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 70 dB min, with +12 Vdc operating voltage and performance is guaranteed over -35°C to +85°C. The package interface uses solder terminals and 2.92mm Female connectors.

Electrical Specifications

Switch Type Actuator Type Switching Sequence Actuator Options TTL Control SPDT, Reflective Failsafe Break Before Make Indicators, TTL Logic, Diodes on: 2.4 to 5 Volts off: 0 to 0.8 Volts

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Operating Voltage		12		Volts
Actuating Current @ 12 Volts			350	mA
VSWR			1.9:1	
Insertion Loss			0.8	dB
Isolation	50			dB
Input Power (CW)			10	Watts
(at 40 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 40 GHz, 2.92mm, 10 Watts, 12V Control, Indicators, TTL, Diodes PE71S6104

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 6	6 to 12	12 to 18.5	18.5 to 26.5	26.5 to 40	GHz
VSWR, Max	1.3:1	1.4:1	1.5:1	1.7:1	1.9:1	
Insertion Loss, Max	0.2	0.4	0.5	0.7	0.8	dB
Isolation, Min	70	60	60	55	50	dB

1.92 in [48.77 mm]

0.132 lbs [59.87 g]

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.

Aluminum

15 ms Max

Solder Pin

2.92mm Female

-35 to +85 deg C

1.5 in [38.1 mm] 0.52 in [13.21 mm]

Mechanical Specifications

Size Length Width/Diameter Height Weight Body Material and

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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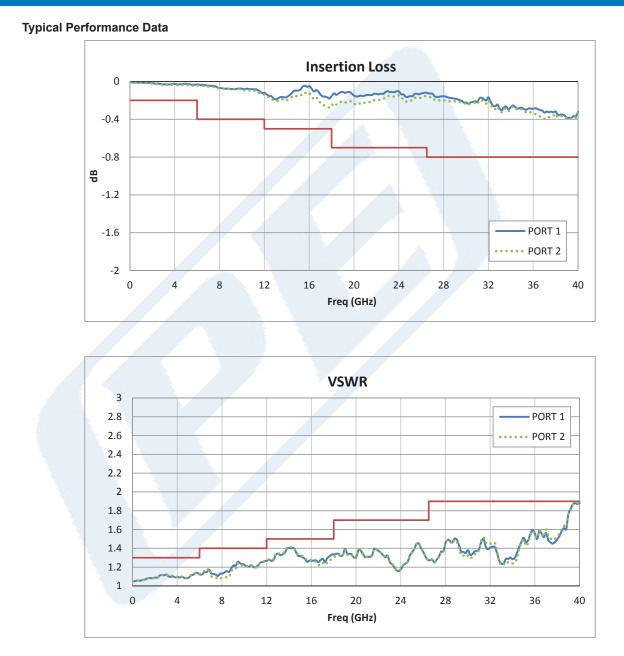




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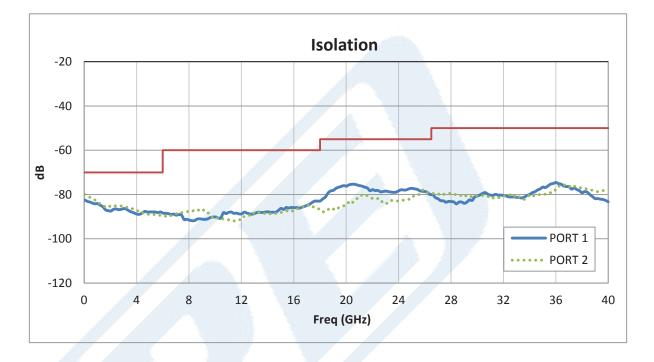




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SPDT Electromechanical Relay Failsafe Switch DC to 40 GHz, 2.92mm, 10 Watts, 12V Control, Indicators, TTL, Diodes from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products 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-spdt-electromechanical-relay-switch-40-ghz-indicators-failsafe-ttl-logicpe71s6104-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.

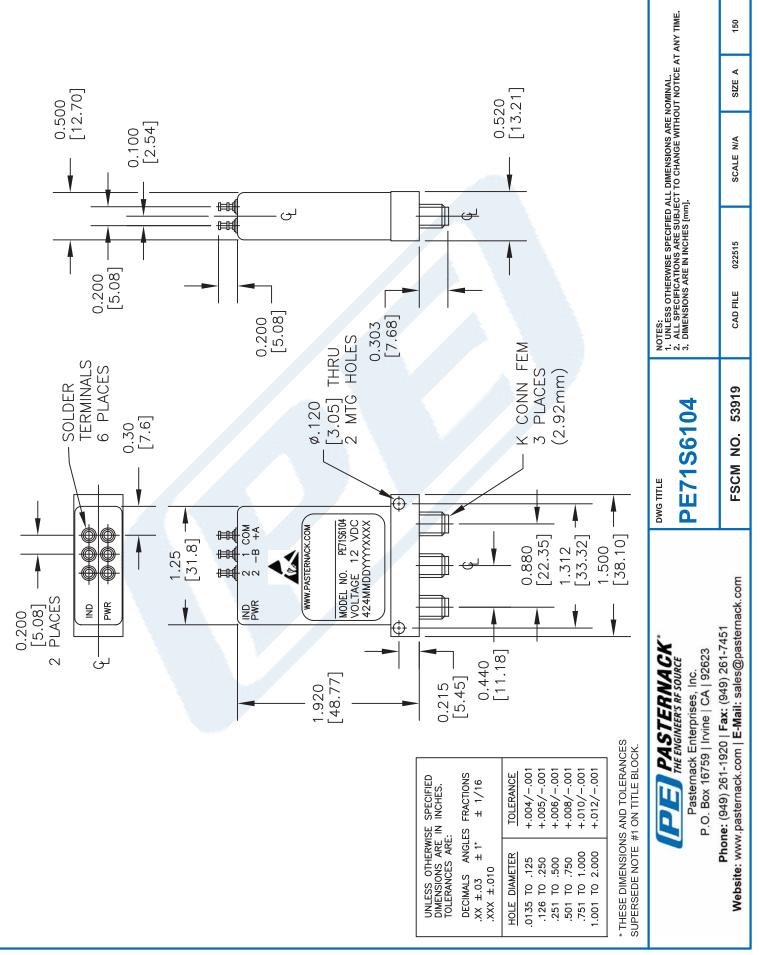
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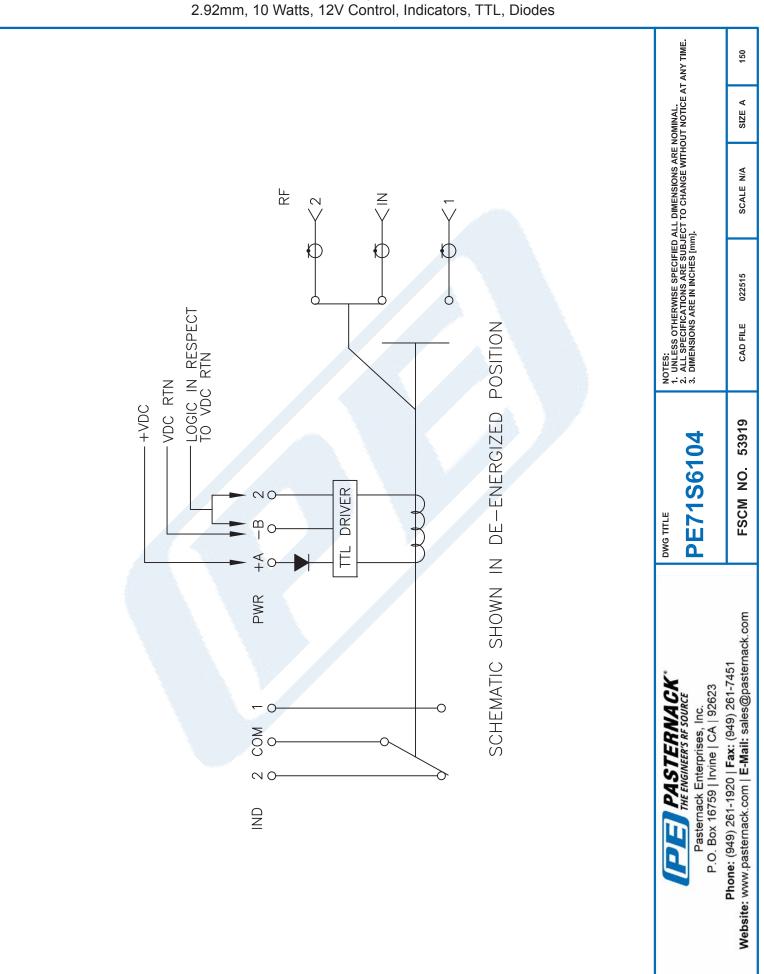




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PE71S6104 CAD Drawing SPDT Electromechanical Relay Failsafe Switch DC to 40 GHz, 2.92mm, 10 Watts, 12V Control, Indicators, TTL, Diodes





PE71S6104 CAD Drawing

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