

SP4T Electromechanical Relay Normally Open Switch, DC to 40 GHz, 3W, 28V, Indicators, TTL, Diodes, 2.92mm



Electromechanical Relay Switches Technical Data Sheet

PE71S6137

Features

- Single Pole Four Throw Relay Switch
- DC to 40 GHz Frequency Range
- 1M Cycle Min Operating Life
- Normally Open Actuator
- TTL Logic Driver, Position Indicators, Suppression Diodes

Applications

- Test & Measurement
- Communications System
- Instrumentation
- Suitable for Aircraft

Description

The PE71S6137 is a Single Pole Four Throw Electromechanical Relay Switch that operates from DC to 40 GHz and has a rating of 3 Watts input power (CW) in a Break Before Make condition. The design features a Normally Open 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 +28 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 SP4T Normally Open Break Before Make Indicators, TTL Logic, Diodes on: 2.4 to 5 Volts off: 0 to 0.8 Volts

Insertion Loss 0.9 dB max

3 Watts Avg Power Max

Switching Sequence Break Before Make

Isolation 50 dB min

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
(at 40 GHz)				
Switching Time			15	ms Max

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SP4T Electromechanical Relay Normally Open Switch, DC to 40 GHz, 3W, 28V, Indicators, TTL, Diodes, 2.92mm PE71S6137

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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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	0.7	0.9	dB		
Isolation, Min	70	60	60	55	50	dB		
chanical Specificatio Size	ns							
Length Width/Diameter Height	ЭГ			2.25 in [57.15 mm] 1.75 in [44.45 mm] 1.75 in [44.45 mm]				
Weight Body Material and Platin Package Type	ng		A	0.28 lbs [127.01 g] Aluminum Connectorized				
Operating Life	ng Life			1,000,000 Cycles				
Connectors RF Connector Type RF Connector Contact Material and Plating RF Connector Body Material and Plating Control Connector			B F	2.92mm Female Beryllium Copper, Gold Passivated Stainless Steel Solder Pin				
rironmental Specifica Temperature	ations							
Operating Range ESD Sensitivity			E	-35 to +85 deg C ESD Sensitive Material. Transport material in Appro ESD bags. Handle in approved ESD Workstation.				
Environmental Specifica Designed to meet MIL-E								

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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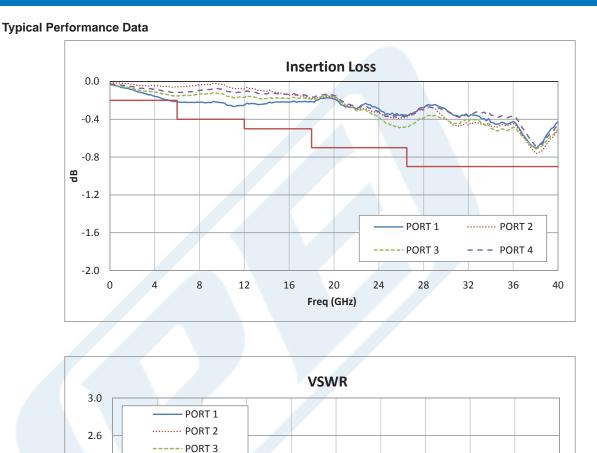


PA to ACK

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Freq (GHz)
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price,

20

24

28

32

36

40

inventory and certifications: SP4T Electromechanical Relay Normally Open Switch, DC to 40 GHz, 3W, 28V, Indicators, TTL, Diodes, 2.92mm PE71S6137

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--- PORT 4

8

12

16

4

2.2

1.8

1.4

1.0

Ω

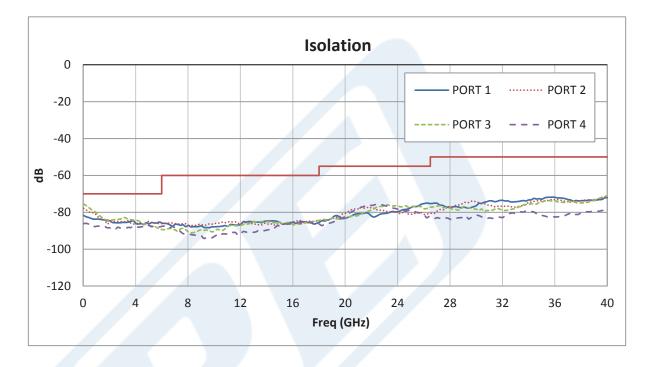




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URL: https://www.pasternack.com/2.92mm-sp4t-electromechanical-relay-switch-40-ghz-normally-open-indicators-ttl-logicpe71s6137-p.aspx

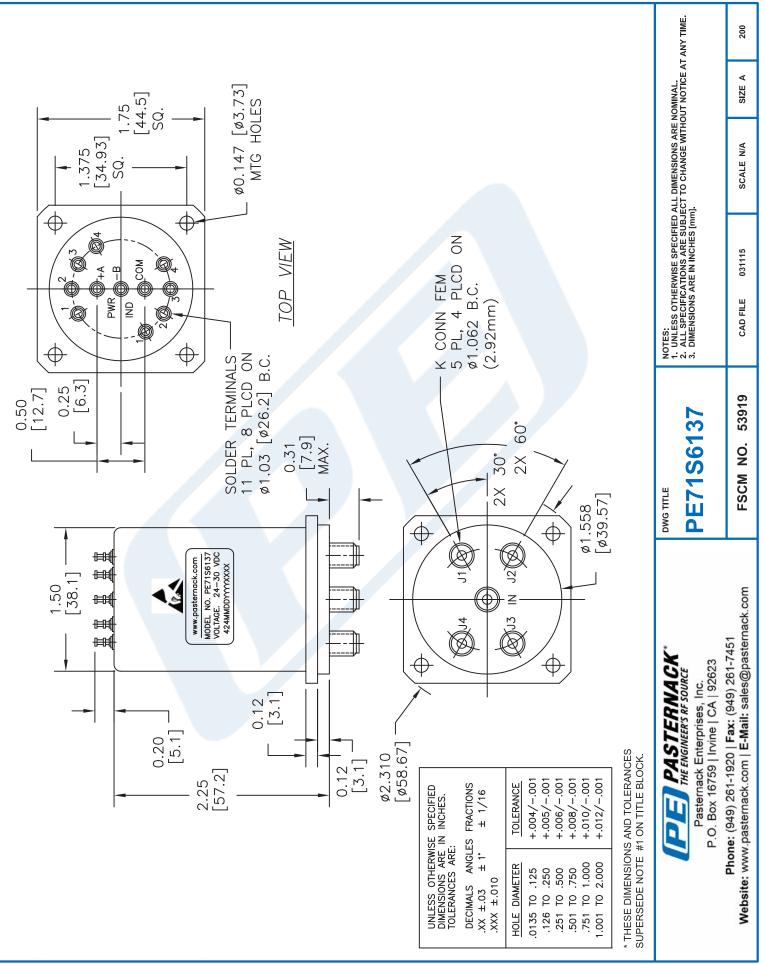
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PE71S6137 CAD Drawing SP4T Electromechanical Relay Normally Open Switch, DC to 40 GHz, 3W, 28V, Indicators, TTL, Diodes, 2.92mm



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