



Electromechanical Relay Switches Technical Data Sheet

PE71S6206

Features

- Single Pole Six Throw Relay Switch
- DC to 8 GHz Frequency Range
- 1M Cycle Min Operating Life
- Normally Open Actuator

- · Insertion Loss 0.6 dB max
- Isolation 70 dB min
- 50 Watts Avg Power Max
- · Switching Sequence Break Before Make

Applications

· Test & Measurement

- · Communications System
- Instrumentation

Description

The PE71S6206 is a Single Pole Six Throw Electromechanical Relay Switch that operates from DC to 8 GHz and has a rating of 50 Watts input power (CW) in a Break Before Make condition. The design features a Normally Open Actuator 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 +12 Vdc operating voltage and performance is guaranteed over -25°C to +65°C. The package interface uses solder terminals and TNC Female connectors.

Electrical Specifications

Switch Type Actuator Type Switching Sequence SP6T, Reflective Normally Open Break Before Make

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Operating Voltage		12		Volts
Actuating Current @ 12 Volts		150		mA
VSWR			1.6:1	
Insertion Loss			0.6	dB
Isolation	70			dB
Input Power (CW)			50	Watts
(at 8 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 Normally Open Switch DC to 8 GHz, TNC, 50 Watts, 12V Control PE71S6206

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





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Performance by Frequency

F1	F2	F3	F4	F5	Units
DC to 4	4 to 8				GHz
1.2:1	1.6:1		.60.		
0.2	0.6				dB
80	70				dB
	DC to 4 1.2:1 0.2	DC to 4 4 to 8 1.2:1 1.6:1 0.2 0.6	DC to 4 4 to 8 1.2:1 1.6:1 0.2 0.6	DC to 4 4 to 8 1.2:1 1.6:1 0.2 0.6	DC to 4 4 to 8 1.2:1 1.6:1 0.2 0.6

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

2.5 in [63.5 mm] 2 in [50.8 mm] 2 in [50.8 mm]

0.72 lbs [326.59 g]

Aluminum

Connectorized Module

1,000,000 Cycles

50 ms Max

TNC Female

Beryllium Copper, Gold

Passivated Stainless Steel

Solder Pin

-25 to +65 deg C

ESD Sensitive Material. Transport material in Approved ESD bags. Handle in approved ESD Workstation.



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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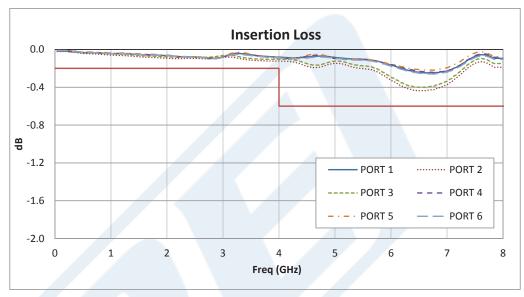


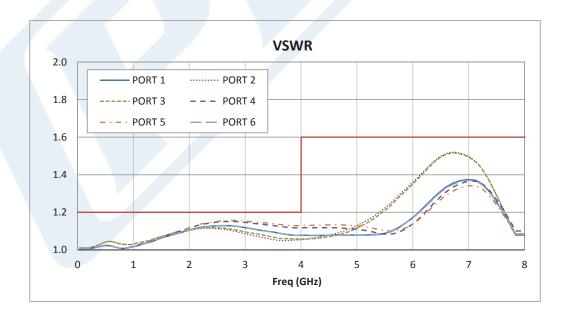


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Typical Performance Data





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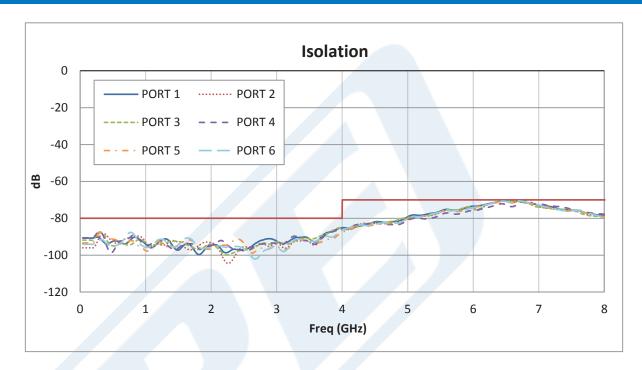






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SP6T Electromechanical Relay Normally Open Switch DC to 8 GHz, TNC, 50 Watts, 12V Control from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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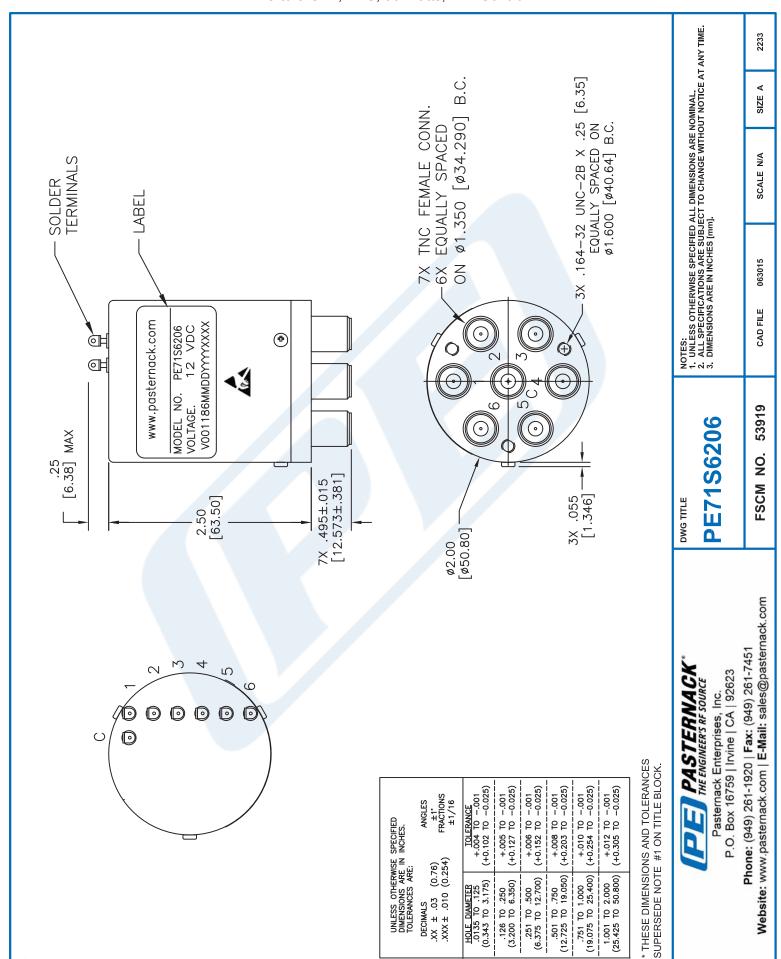
URL: http://www.pasternack.com/tnc-sp6t-electromechanical-relay-switch-8-ghz-normally-open-pe71s6206-p.aspx

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.



PE71S6206 CAD Drawing

SP6T Electromechanical Relay Normally Open Switch DC to 8 GHz, TNC, 50 Watts, 12V Control



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SP6T Electromechanical Relay Normally Open Switch DC to 8 GHz, TNC, 50 Watts, 12V Control

