



SP4T Electromechanical Relay Switch DC to 10 GHz,
N, 50 Watts, 12V Control with Normally Open

TECHNICAL DATA SHEET

PE71S6182

The PE71S6182 is a SP4T Switch that operates from DC to 10 GHz. The switch has a Normally Open actuator and 1M life cycles. The switch has an operating voltage of +12 Volts.

Features

- SP4T Switch
- DC to 10 GHz Operating Frequency Range
- 1 M Cycles min
- Normally Open Switch

Applications

- Test & Measurement
- Communications System
- Instrumentation

Electrical Specifications

Frequency Range	DC to 10 GHz
Impedance	50 Ohms
Actuator	Normally Open
Actuating Current	255 mA
Control Voltage	12 Volts
RF Input Power (Max CW)	50 Watts

RF Characteristic

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency Range	DC to 4	4 to 8	8 to 10			GHz
VSWR, Max	1.25:1	1.6:1	1.5:1			
Insertion Loss, Max	0.25	0.4	0.6			dB
Isolation, Min	80	70	60			dB

Mechanical Specifications

Connector Type	N Female
Operating Life	1,000,000
Terminals	Solder Pins
Switching Time (nominal voltage, 25°C)	50 ms Max

Environmental Specifications

Temperature	
Operating Range	-25 to +65 deg C
Environment	Designed to Meet MIL-DTL-3928

Compliance Certifications (visit www.Pasternack.com for current document)
Not RoHS Compliant

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 Switch DC to 10 GHz, N, 50 Watts, 12V Control with Normally Open PE71S6182](#)



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Plotted and Other Data

Notes:

- Values at +25 °C, sea level
- ESD Sensitive Material, Transport material in Approved ESD bags. Handle only in approved ESD Workstation.



SP4T Electromechanical Relay Switch DC to 10 GHz, N, 50 Watts, 12V Control with Normally Open 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.

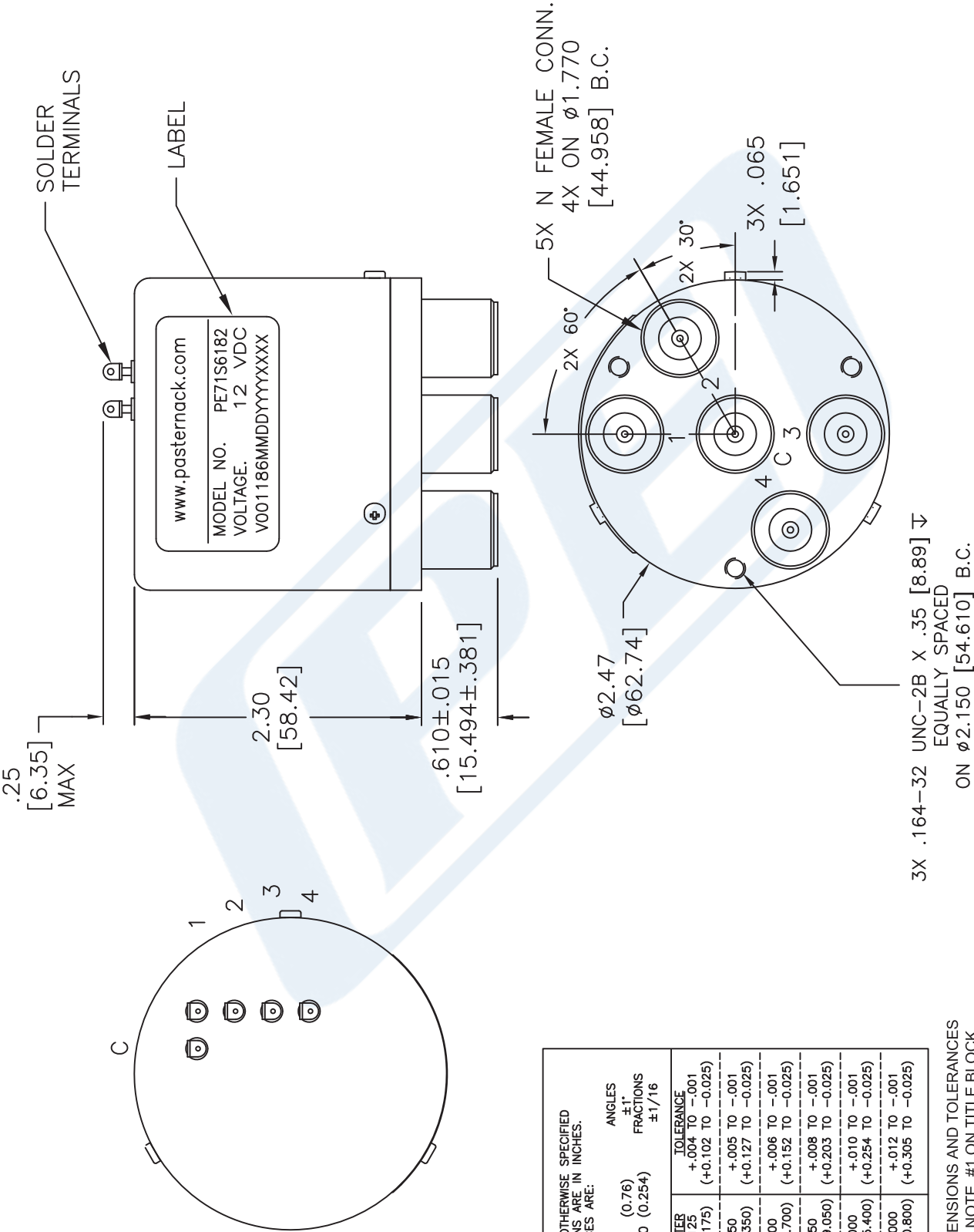
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

PE71S6182 CAD Drawing

SP4T Electromechanical Relay Switch DC to 10 GHz, N,
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NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE71S6182

Pasternack
THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919

CAD FILE 050815

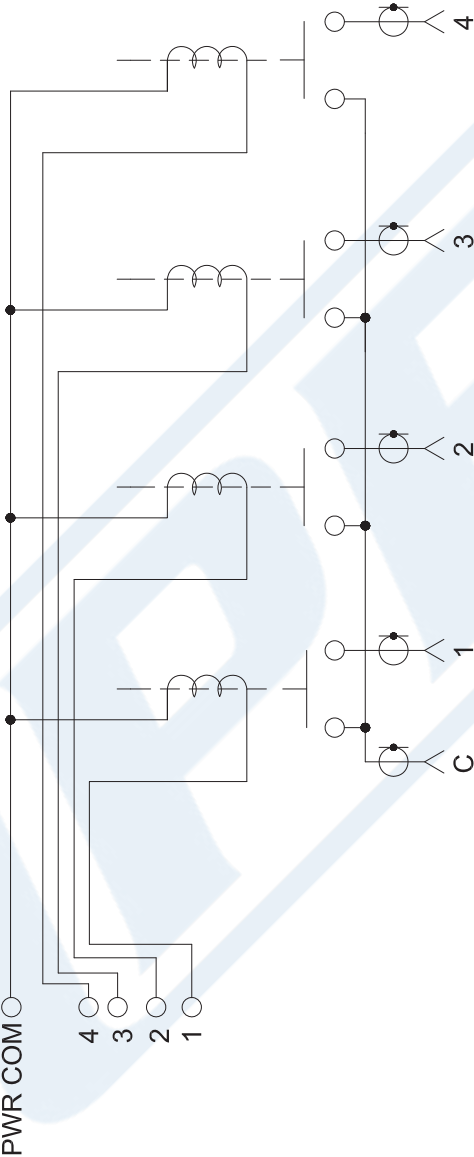
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2233

PE71S6182 CAD Drawing

SP4T Electromechanical Relay Switch DC to 10 GHz, N,
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SCHEMATIC NORMALLY OPEN SHOWN IN DE-ENERGIZED POSITION

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P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com