



SP4T Electromechanical Relay Switch DC to 22 GHz,
SMA, 30 Watts, 12V Control with Normally Open

TECHNICAL DATA SHEET

PE71S6126

The PE71S6126 is Single Pole Four Throw Switch that operates from DC to 22 GHz. The switch has a normally open actuator and a 1M life cycle. The switch has an operating voltage of 12 Volts.

Features

- SP4T Switch
- DC to 22 GHz Operating Frequency Range
- 1 M Cycles min
- Normally Open Switch
- Switching Sequence Break Before Make

Applications

- Test & Measurement
- Communications System
- Instrumentation

Electrical Specifications

Frequency Range	DC to 22 GHz
Impedance	50 Ohms
Actuator	Normally Open
Actuating Current	310 mA
Control Voltage	12 Volts
RF Input Power (Max CW)	30 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 12	12 to 18	18 to 22	GHz
VSWR, Max	1.2:1	1.3:1	1.4:1	1.5:1	1.6:1	
Insertion Loss, Max	0.3	0.35	0.4	0.5	0.6	dB
Isolation, Min	75	70	65	60	60	dB

Mechanical Specifications

Connector Type	SMA Female
Operating Life	1,000,000
Terminals	Solder Pins
Switching Time (nominal voltage, 25°C)	<15 ms Typ

Environmental Specifications

Temperature	
Operating Range	-55 to +85 deg C
Environment	MIL-DTL-3928
Housing Material and Plating	Aluminum

Compliance Certifications (visit www.Pasternack.com for current document)

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 22 GHz, SMA, 30 Watts, 12V Control with Normally Open PE71S6126](#)



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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 22 GHz, SMA, 30 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.

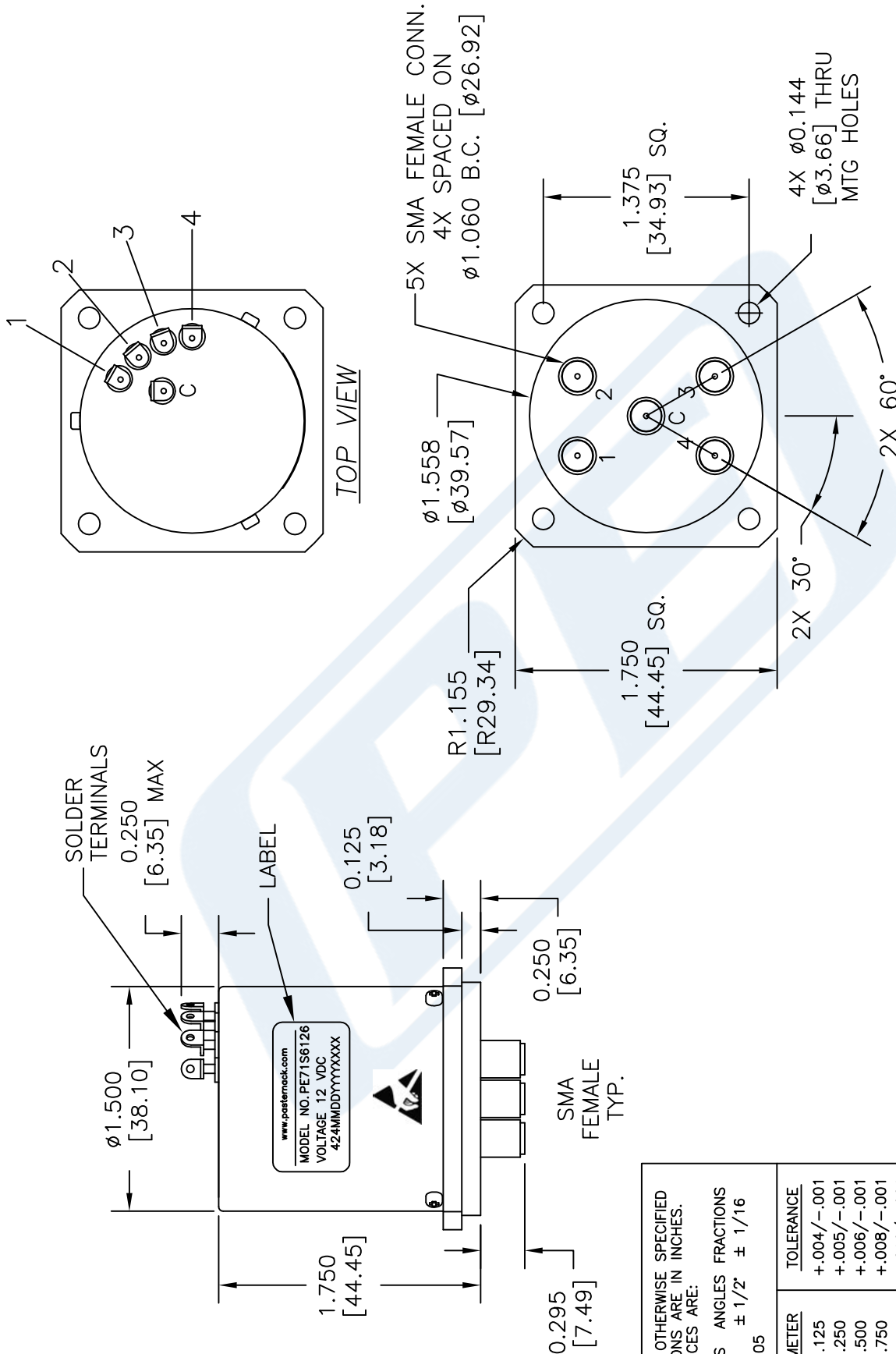
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SP4T Electromechanical Relay Switch DC to 22 GHz, SMA, 30 Watts, 12V Control with Normally Open PE71S6126](http://www.pasternack.com/sma-sp4t-electromechanical-relay-switch-22-ghz-normally-open-pe71s6126-p.aspx)

URL: <http://www.pasternack.com/sma-sp4t-electromechanical-relay-switch-22-ghz-normally-open-pe71s6126-p.aspx>

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PE71S6126 CAD Drawing

SP4T Electromechanical Relay Switch DC to 22 GHz, SMA,
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* THESE DIMENSIONS AND TOLERANCES
SUPERSEDE NOTE #1 ON TITLE BLOCK.

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE

PE71S6126

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].

FSCM NO. 53919

CAD FILE 030515

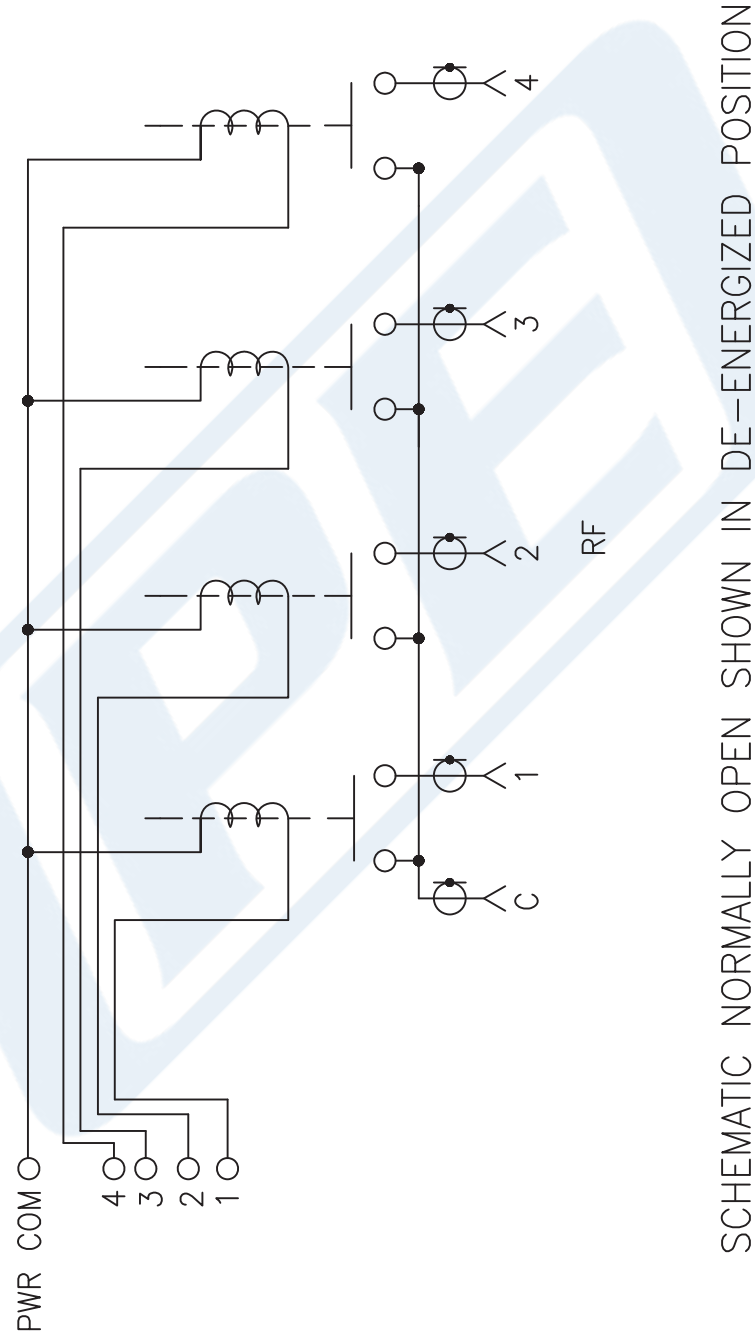
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