PASTERNACK®
THE ENGINEER'S RF SOURCE



SPDT Electromechanical Relay Switch DC to 18 GHz, SMA, 240 Watts, 28V Control, 30V Indicator with Indicators, Latching, Normally Open

TECHNICAL DATA SHEET PE71S6054

The PE71S6054 is a SINGLE POLE DOUBLE THROW RF COAXIAL RELAY SWITCH that operates from DC TO 18 GHz. The Switch has a 28 VDC FAILSAFE ACTUATOR and POSITION INDICATOR CIRCUITRY. The Switch has SMA RF CONNECTORS and operates from -40 Deg C to +85 Deg C.

Features

- Single Pole Double Throw Relay Switch
- DC to 18 GHz Frequency Range
- 10M Operating Life
- 100 Watt Avg Power Min
- -40 to +85 Deg C Operating Temperature
- Insertion Loss 0.5 dB Max
- VSWR 1.5:1 Max

Applications

- High Performance Relay Switch
- Military Communications
- Communications Systems
- Test & Measurement

Electrical Specifications

Frequency Range	DC to 18 GHz
Impedance	50 Ohms
Actuator	Indicators, Latching, Normally Open
Actuating Current	80 mA
Control Voltage	28 Volts
Insertion Loss	0.5 dB Max
Input VSWR	1.5:1 Max
Output VSWR	1.5:1 Max
Indicator Rating	1 Watts / 30 Volts / 100 mA
Self Cut-Off Time	40 ms < CT < 120 ms

RF Characteristic

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency Range	DC to 3	3 to 8	8 to 12.4	12.4 to 18		GHz
VSWR	1.2:1	1.3:1	1.4:1	1.5:1		
Insertion Loss	0.2	0.3	0.4	0.5		dB
Isolation	80	70	60	60		dB
Average Power @25 °C	240	150	120	100		Watts

Mechanical Specifications

Connector Type	SMA Female
Operating Life	10,000,000
Terminals	Solder Pins
Switching Time (nominal voltage, 25°C)	<10 ms Typ
Construction	Splashproof

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 Switch DC to 18 GHz, SMA, 240 Watts, 28V Control, 30V Indicator with Indicators, Latching, Normally Open PE71S6054

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-55 to +85 deg C
Weight	0.1 lbs [45.36 g]

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

RoHS Compliant

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



SPDT Electromechanical Relay Switch DC to 18 GHz, SMA, 240 Watts, 28V Control, 30V Indicator with Indicators, Latching, 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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URL: http://www.pasternack.com/sma-spdt-electromechanical-relay-switch-18-ghz-indicators-pe71s6054-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.

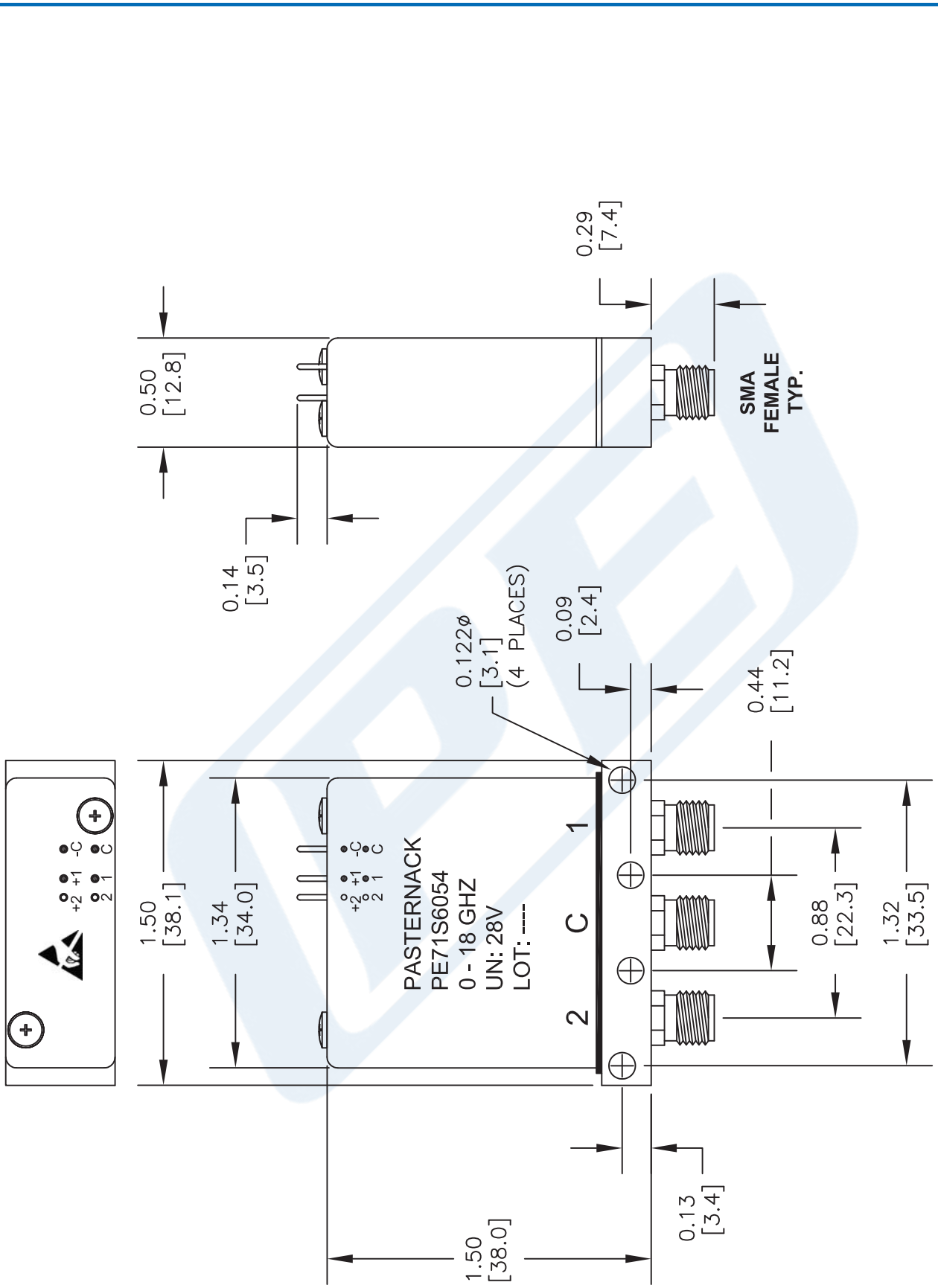
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PE71S6054 CAD Drawing

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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].

CAD FILE	081314	SCALE N/A	SIZE A	150

DWG TITLE: **PE71S6054**

FSCM NO. 53919

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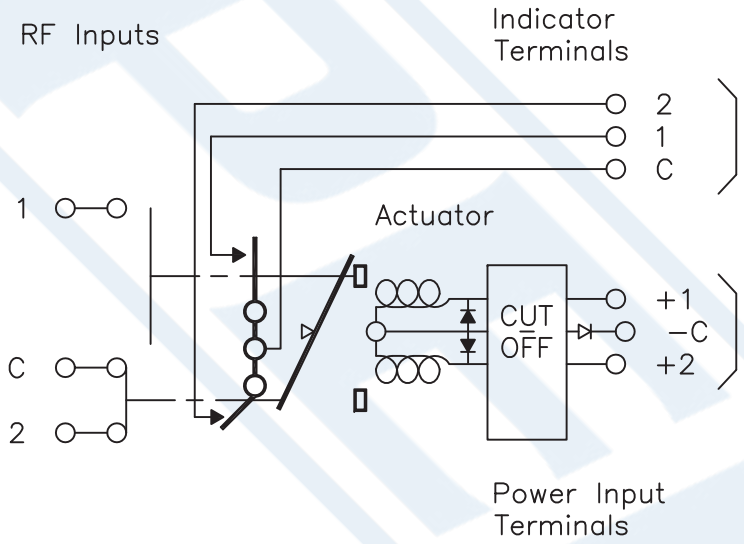
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PE71S6054 CAD Drawing

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Voltage	RF Continuity	Indicator
– C + 1	C ⟷ 1	C . 1
– C + 2	C ⟷ 2	C . 2



SCHEMATIC DIAGRAM

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