PASTERNACK®
THE ENGINEER'S RF SOURCE



SP6T Electromechanical Relay Switch DC to 12.4 GHz, N, 400 Watts, 12V Control, 30V Indicator with Indicators, Latching, Normally Open

TECHNICAL DATA SHEET PE71S6072

The PE71S6072 is a SINGLE POLE SIX THROW TERMINATED RF COAXIAL RELAY SWITCH that operates from DC TO 12.4 GHz. The Switch has a 28 VDC FAILSAFE ACTUATOR and POSITION INDICATOR CIRCUITRY. The Switch has N RF CONNECTORS and operates from -40 Deg C to +85 Deg C.

Features

- Single Pole Six Throw Relay Switch
- DC to 12.4 GHz Frequency Range
- 2M Operating Life
- 200 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 12.4 GHz
Impedance	50 Ohms
Actuator	Indicators, Latching, Normally Open
Actuating Current	320 mA
Reset Current	1,920 mA
Control Voltage	12 Volts / Negative Common
Indicator Rating	1 Watts / 30 Volts / 100 mA

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			GHz
VSWR	1.2:1	1.35:1	1.5:1			
Insertion Loss	0.2	0.35	0.5			dB
Isolation	80	70	60			dB
Average Power @25 °C	400	250	200			Watts

Mechanical Specifications

Connector Type	N Female
Operating Life	2,000,000
Terminals	Solder Pins
Switching Time (nominal voltage, 25°C)	<15 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: SP6T Electromechanical Relay Switch DC to 12.4 GHz, N, 400 Watts, 12V Control, 30V Indicator with Indicators, Latching, Normally Open PE71S6072

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Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-55 to +85 deg C
Weight	1.01 lbs [458.13 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



SP6T Electromechanical Relay Switch DC to 12.4 GHz, N, 400 Watts, 12V 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/n-sp6t-electromechanical-relay-switch-12.4-ghz-indicators-pe71s6072-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.

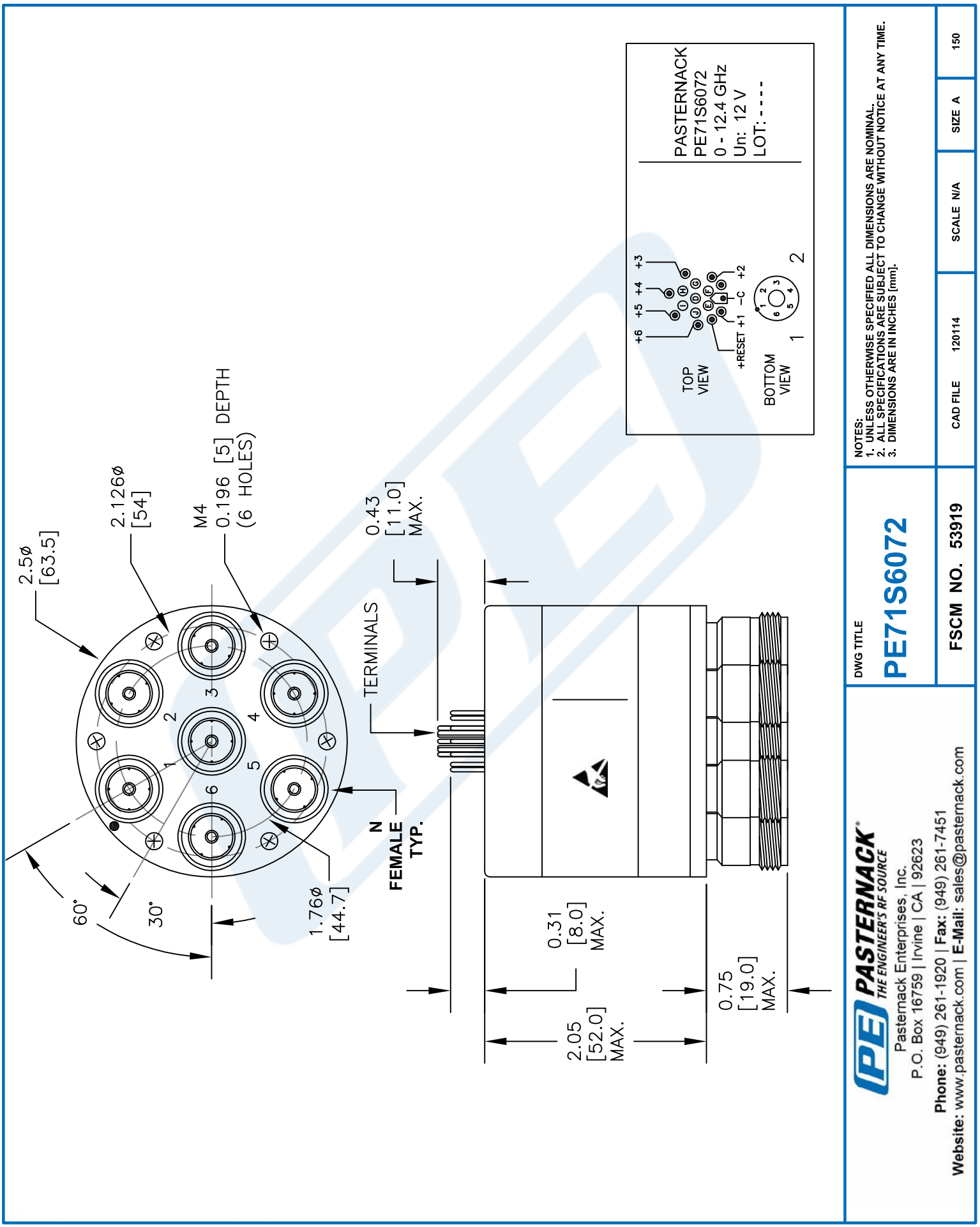
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PE71S6072 CAD Drawing

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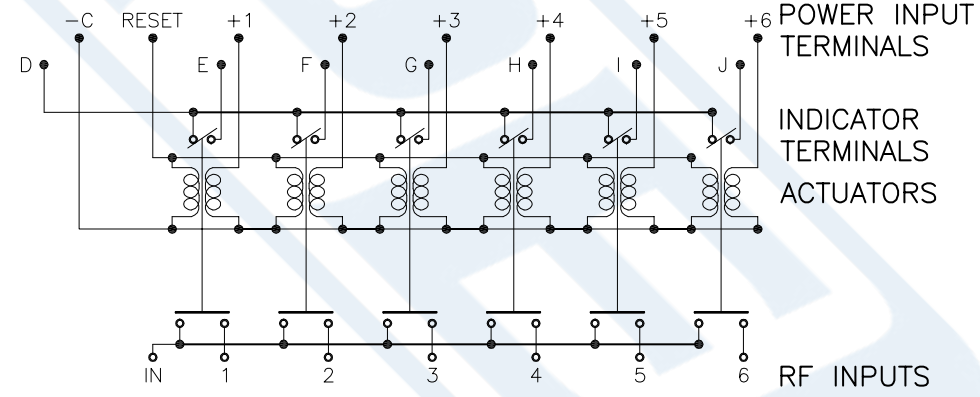
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PE71S6072 CAD Drawing

SP6T Electromechanical Relay Switch DC to 12.4 GHz, N, 400 Watts, 12V Control, 30V Indicator with Indicators, Latching, Normally Open

Voltage	RF Continuity	Indicator
– C + RESET	ALL PORTS OPEN	– –
– C + 1	IN ⟷ 1	D.E
– C + 2	IN ⟷ 2	D.F
– C + 3	IN ⟷ 3	D.G
– C + 4	IN ⟷ 4	D.H
– C + 5	IN ⟷ 5	D.I
– C + 6	IN ⟷ 6	D.J

SCHEMATIC DIAGRAM



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DWG TITLE

PE71S6072

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 120114	SCALE N/A	SIZE A	150