



# SPDT Electromechanical Relay Switch DC to 12.4 GHz, N, 700 Watts, 12V Control with Indicators, Failsafe, Normally Open

### TECHNICAL DATA SHEET

PE71S6059

The PE71S6059 is a SINGLE POLE DOUBLE THROW RF COAXIAL RELAY SWITCH that operates from DC TO 12.4 GHz. The Switch has a 12 VDC FAILSAFE ACTUATOR. The Switch has N Female RF CONNECTORS and operates from -40 Deg C to +85 Deg C.

#### **Features**

- Single Pole Double Throw Relay Switch
- DC to 12.4 GHz Frequency Range
- 1.0M 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

12 Volts

#### **Applications**

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

#### **Electrical Specifications**

Frequency Range Impedance Actuator Actuating Current Control Voltage DC to 12.4 GHz 50 Ohms Indicators, Failsafe, Normally Open 310 mA

#### **RF Characteristic**

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency Range	DC to 1	1 to 2	2 to 3	3 to 8	8 to 12.4	GHz
VSWR	1.15:1	1.2:1	1.25:1	1.35:1	1.5:1	
Insertion Loss	0.15	0.2	0.25	0.35	0.5	dB
Isolation	85	80	75	70	60	dB
Average Power @25 °C	700	500	400	250	200	Watts

#### **Mechanical Specifications**

Connector TypeN FemaleOperating Life1,000,000TerminalsSolder PinsSwitching Time (nominal voltage, 25°C)<15 ms Typ</td>ConstructionSplashproof

#### **Environmental Specifications**

**Temperature** 

Operating Range -40 to +85 deg C Storage Range -55 to +85 deg C

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 12.4 GHz, N, 700 Watts, 12V Control with Indicators, Failsafe, Normally Open PE71S6059

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Weight

0.4 lbs [181.44 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 12.4 GHz, N, 700 Watts, 12V Control with Indicators, Failsafe, 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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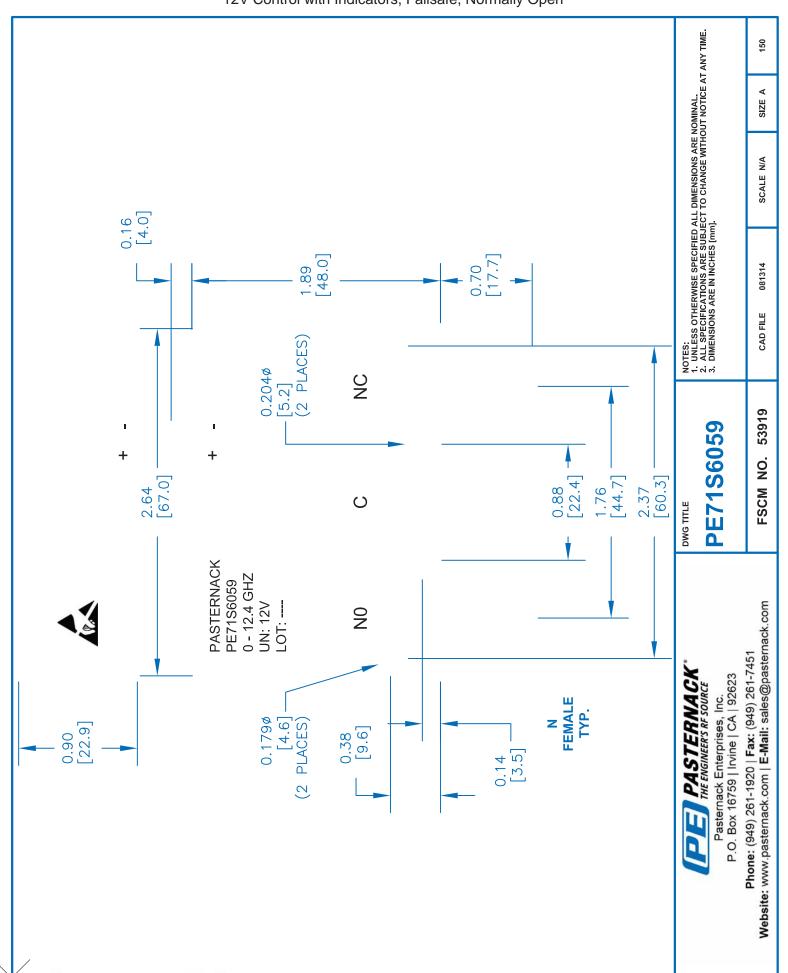
URL: http://www.pasternack.com/n-spdt-electromechanical-relay-switch-12.4-ghz-indicators-pe71s6059-p.aspx

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.



## PE71S6059 CAD Drawing

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