



# SPDT Electromechanical Relay Switch DC to 12.4 GHz, N, 160 Watts, 28V Control with Indicators, Failsafe, TTL

#### **TECHNICAL DATA SHEET**

PE71S6161

The PE71S6161 is Single Pole Double Throw Switch that operates from DC to 12.4 GHz. The switch has a Failsafe actuator and an indicator and 1M life cycles. The switch has an opating voltage of +28 Volts and has TTL control.

#### **Features**

- SPDT Switch
- DC to 12.4 GHz Operating Frequency Range
- 1 M Cycles min

- Latching Switch
- Indicator
- TTL Contol

#### **Applications**

- Test & Measurement
- Communications System
- Instrumentation

#### **Electrical Specifications**

Frequency Range Impedance Actuator Actuating Current Control Voltage

TTL Inputs (E): - High Level - Low Level

TTL Control Trigger

RF Input Power (Max CW)

DC to 12.4 GHz 50 Ohms

Indicators, Failsafe, TTL Logic

130 mA 28 Volts

2.4 to 5 Volts / at 5 Volts 0 to 0.8 Volts / at 0.8 Volts

"1": On, "0": Off, Enable: 5V, Disable: 0V

"on" = 2.4 Volts "off" = 0.8 Volts 160 Watts

#### **RF Characteristic**

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency Range	DC to 2	2 to 4	4 to 12.4			GHz
VSWR, Max	1.15:1	1.2:1	1.6:1			
Insertion Loss, Max	0.2	0.25	0.6			dB
Isolation, Min	80	80	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

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, 160 Watts, 28V Control with Indicators, Failsafe, TTL PE71S6161

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Environment

Designed to Meet MIL-DTL-3928

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

#### **Plotted and Other Data**

- 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, 160 Watts, 28V Control with Indicators, Failsafe, TTL 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-failsafe-ttl-logic-pe71s6161-p. aspx

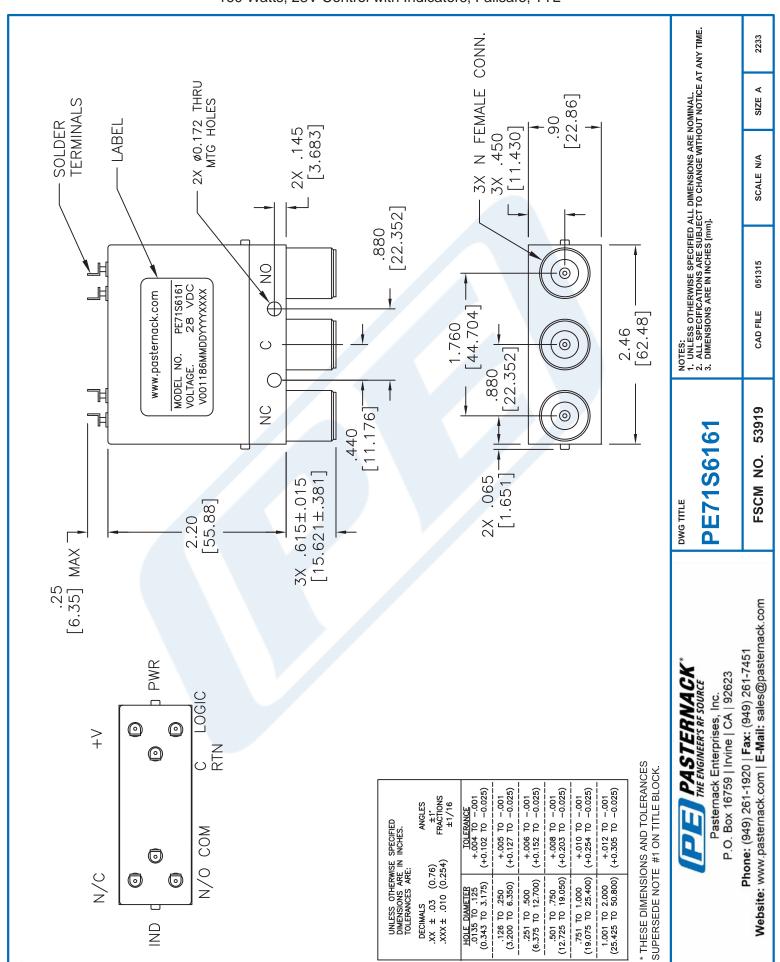
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# PE71S6161 CAD Drawing

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