



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

TECHNICAL DATA SHEET

PE71S6068

The PE71S6068 is a DOUBLE POLE DOUBLE THROW RF COAXIAL RELAY SWITCH that operates from DC TO 18 GHz. The Switch has a 28 VDC LATCHING ACTUATOR, INDICATOR, SELF CUT-OFF and TTL DRIVE. The Switch has SMA RF CONNECTORS and operates from -40 Deg C to +85 Deg C.

Features

- Double Pole Double Throw Relay Switch
- DC to 18 GHz Frequency Range
- 2.5M 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	125 mA
Control Voltage	28 Volts / Negative Common
Operating Current	100 mA
Insertion Loss	0.5 dB Max
Input VSWR	1.5:1 Max
Output VSWR	1.5:1 Max
Indicator Rating	1 Watts / 30 Volts / 125 mA
Self Cut-Off Time	40 ms < CT < 120 ms
TTL Inputs (E): - High Level	2.2 to 5.5 Volts / 0.8 mA at 5.5 Volts
- Low Level	0 to 0.8 Volts / 0.02 mA at 0.8 Volts

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	65	60		dB
Average Power @25 °C	240	150	120	100		Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Transfer Electromechanical Relay Switch DC to 18 GHz, SMA, 240 Watts, 28V Control, 30V Indicator with Indicators, Latching, Normally Open PE71S6068](#)





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Mechanical Specifications

Connector Type	SMA Female
Operating Life	2,500,000
Terminals	Solder Pins
Switching Time (nominal voltage, 25°C)	<15 ms Typ
Construction	Splashproof

Environmental Specifications

Temperature

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

Weight	0.19 lbs [86.18 g]
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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



Transfer 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.

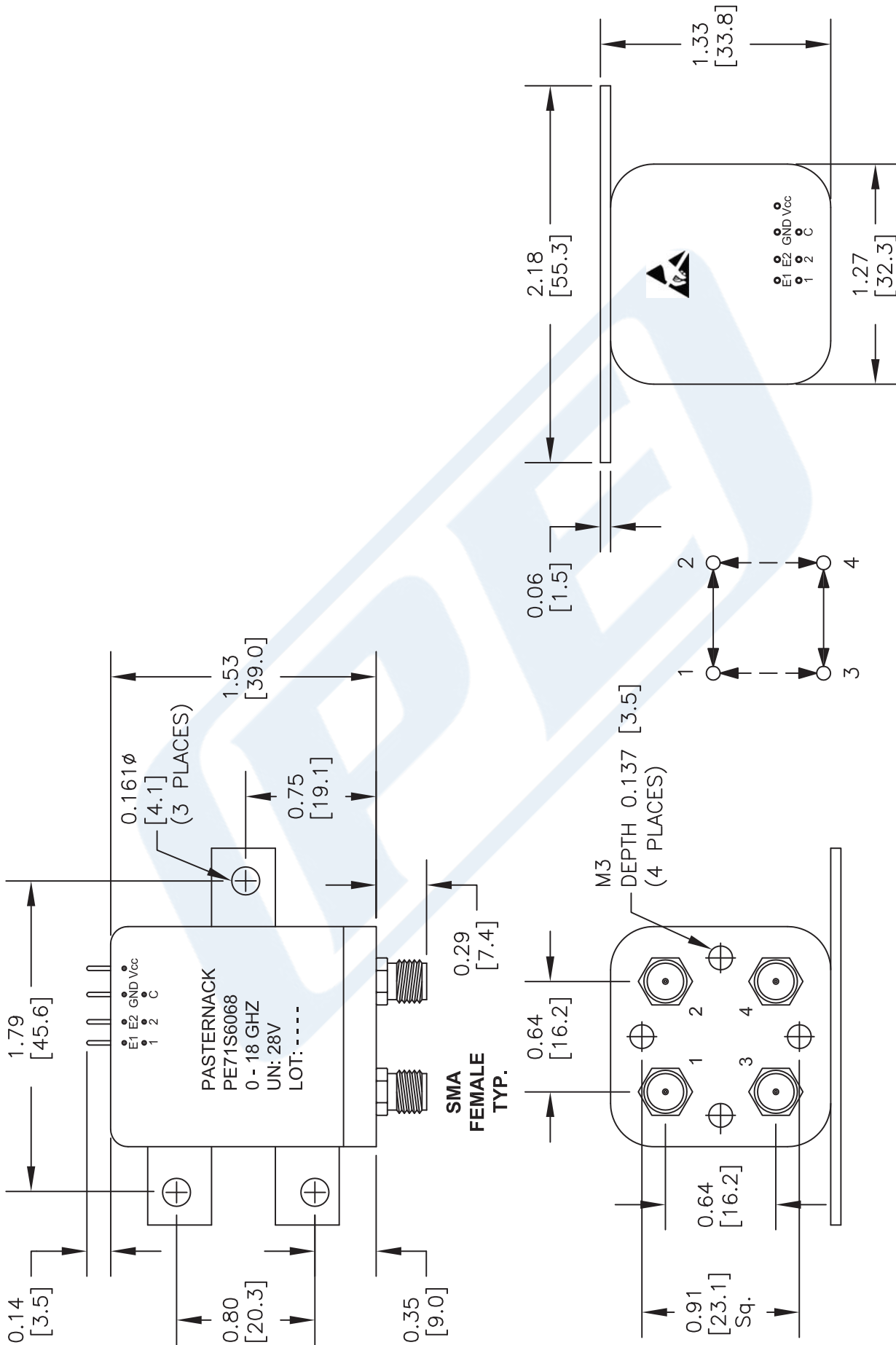
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PE71S6068 CAD Drawing

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DWG TITLE

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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].

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FSCM NO. 53919

CAD FILE 081514

SCALE N/A

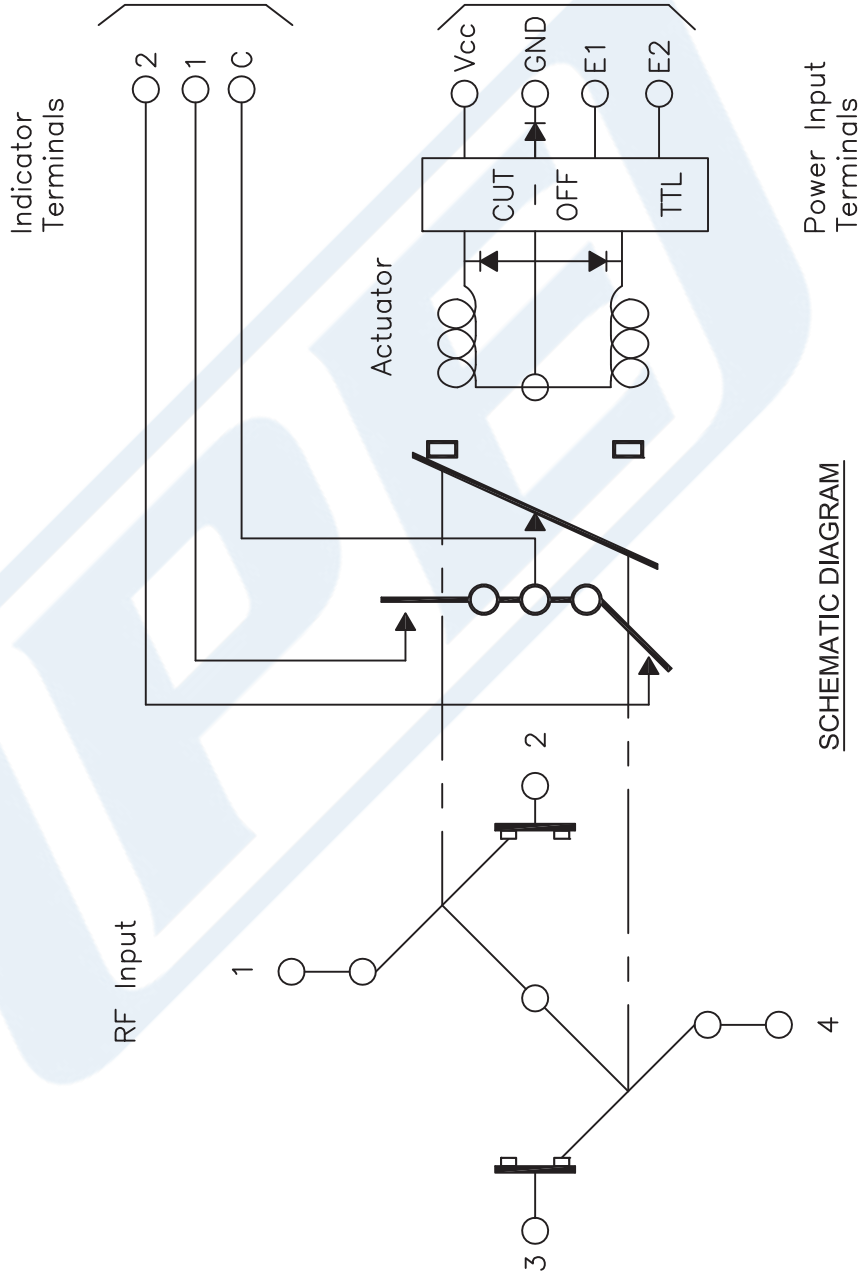
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PE71S6068 CAD Drawing

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TTL	RF Continuity	Indicator
E1=1 / E2=0	1 ↔ 3 2 ↔ 4	C . 1
E1=0 / E2=1	1 ↔ 2 3 ↔ 4	C . 2
E1=0 / E2=0	Memory	—
E1=1 / E2=1	Forbidden	—



SCHEMATIC DIAGRAM

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