PASTERNACK®
THE ENGINEER'S RF SOURCE



SPDT Terminated Electromechanical Relay Switch DC to 40 GHz, 2.92mm, 80 Watts, 28V Control, 30V Indicator, Latching, Normally Open

TECHNICAL DATA SHEET PE71S6064

The PE71S6064 is a SINGLE POLE DOUBLE THROW TERMINATED RF COAXIAL RELAY SWITCH that operates from DC TO 40 GHz. The Switch has a 28 VDC LATCHING ACTUATOR and POSITION INDICATOR CIRCUITRY. The Switch has 2.92mm RF CONNECTORS and operates from -40 Deg C to +85 Deg C.

Features

- Single Pole Double Throw Relay Switch
- DC to 40 GHz Frequency Range
- 2M Operating Life
- 10 Watt Avg Power Min
- -40 to +85 Deg C Operating Temperature
- Insertion Loss 0.8 dB Max
- VSWR 1.9:1 Max

Applications

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

Electrical Specifications

Frequency Range	DC to 40 GHz
Impedance	50 Ohms
Actuator	Indicators, Latching, Normally Open
Actuating Current	160 mA
Control Voltage	28 Volts
Indicator Rating	1 Watts / 30 Volts / 100 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 6	6 to 12.4	12.4 to 18	18 to 26.5	26.5 to 40	GHz
VSWR	1.3:1	1.4:1	1.5:1	1.7:1	1.9:1	
Insertion Loss	0.3	0.4	0.5	0.7	0.8	dB
Isolation	70	60	60	55	50	dB
Average Power @25 °C	80	60	50	20	10	Watts

Mechanical Specifications

Connector Type	2.92mm Female
Operating Life	2,000,000
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 Terminated Electromechanical Relay Switch DC to 40 GHz, 2.92mm, 80 Watts, 28V Control, 30V Indicator, Latching, Normally Open PE71S6064

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	0.22 lbs [99.79 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 Terminated Electromechanical Relay Switch DC to 40 GHz, 2.92mm, 80 Watts, 28V Control, 30V Indicator, 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/2.92mm-spdt-terminated-electromechanical-relay-switch-40-ghz-indicators-pe71s6064-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.

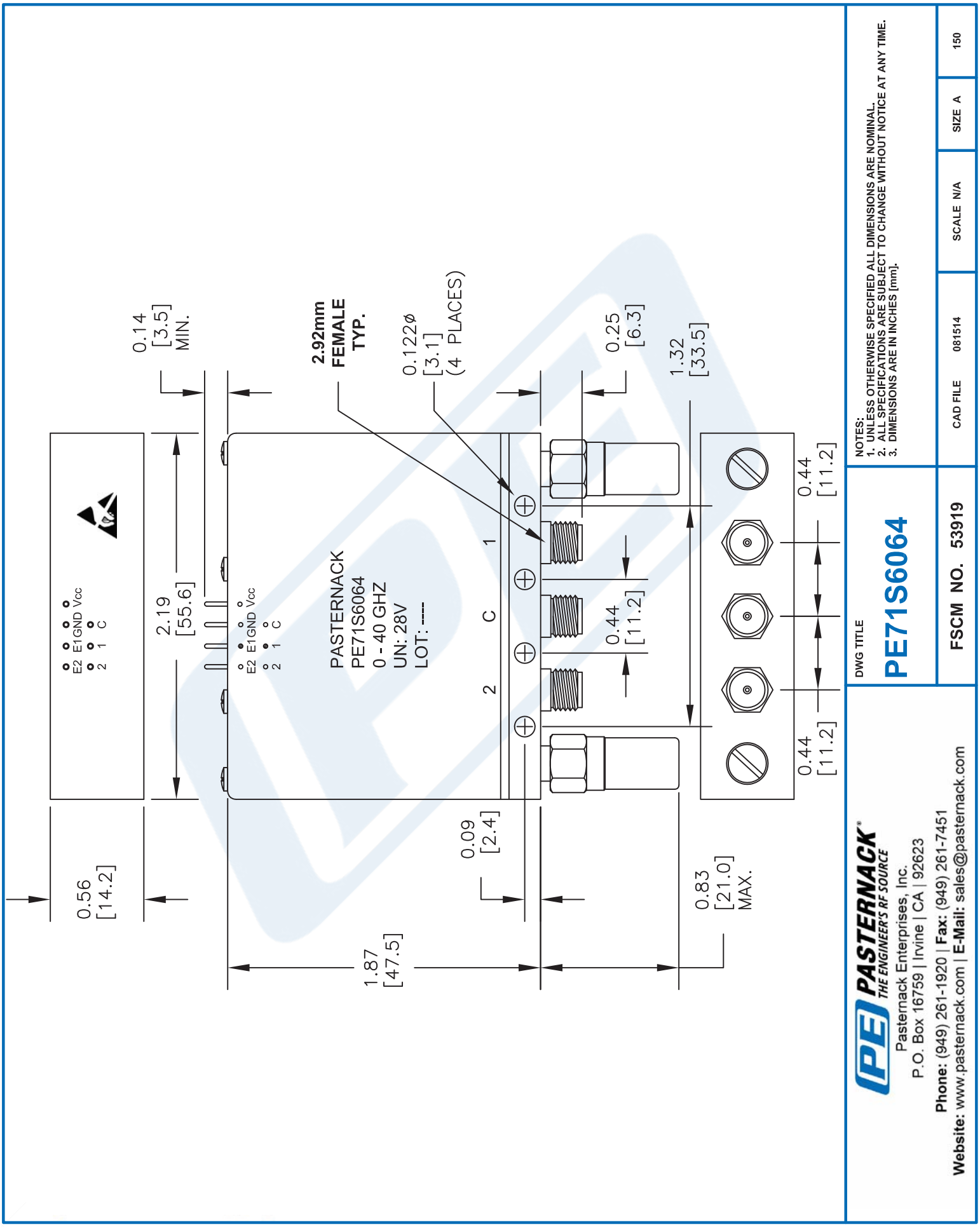
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PE71S6064 CAD Drawing

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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	081514	SCALE N/A	SIZE A	150

DWG TITLE **PE71S6064**

FSCM NO. 53919

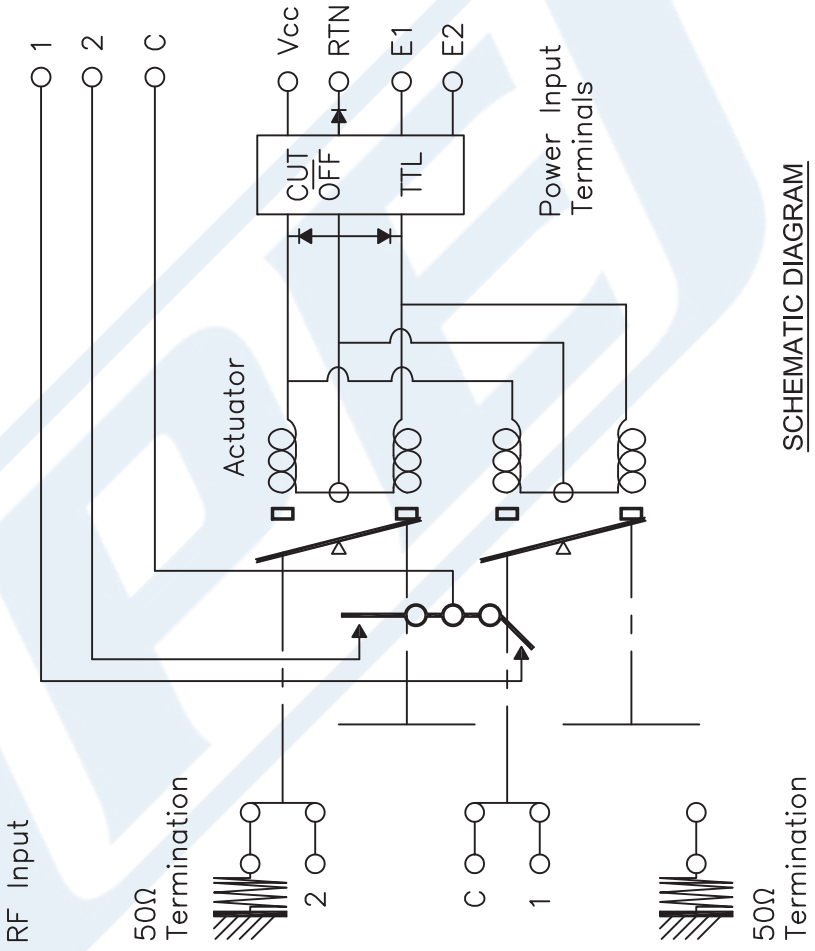
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TTL input	RF Continuity	Ind.
E1=1 / E2=0	C ⟷ 1 / 2 ⟷ 50Ω	C . 1
E1=0 / E2=1	C ⟷ 2 / 1 ⟷ 50Ω	C . 2
E1=0 / E2=0	Memory	---
E1=1 / E2=1	Forbidden	---



SCHEMATIC DIAGRAM

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FSCM NO. 53919 | CAD FILE 081514 | SCALE N/A | SIZE A | 150

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