



Transfer Electromechanical Relay Switch DC to 40 GHz,
2.92mm, 10 Watts, 12V Control with Latching

TECHNICAL DATA SHEET

PE71S6122

The PE71S6122 is Transfer Switch that operates from DC to 40 GHz. The switch has a latching actuator and 1M life cycles. The switch has an operating voltage of 12 Volts.

Features

- Transfer Switch
- DC to 40 GHz Operating Frequency Range
- 1 M Cycles min
- Latching Switch
- Switching Sequence Break Before Make

Applications

- Test & Measurement
- Communications System
- Instrumentation
- Suitable for Aircraft

Electrical Specifications

Frequency Range	DC to 40 GHz
Impedance	50 Ohms
Actuator	Latching
Actuating Current	300 mA
Control Voltage	12 Volts
RF Input Power (Max CW)	10 Watts

RF Characteristic

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency Range	DC to 6	6 to 12	12 to 18	18 to 26.5	26.5 to 40	GHz
VSWR, Max	1.3:1	1.4:1	1.5:1	1.7:1	2:1	
Insertion Loss, Max	0.3	0.4	0.5	0.7	0.9	dB
Isolation, Min	70	60	60	55	50	dB

Mechanical Specifications

Connector Type	2.92mm Female
Operating Life	1,000,000
Terminals	Solder Pins
Switching Time (nominal voltage, 25°C)	<20 ms Typ

Environmental Specifications

Temperature	
Operating Range	-35 to +85 deg C
Environment	MIL-S-3928 MIL-E-5400
Housing Material and Plating	Aluminum

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 40 GHz, 2.92mm, 10 Watts, 12V Control with Latching PE71S6122](#)

PE71S6122



UL
REGISTERED FIRM

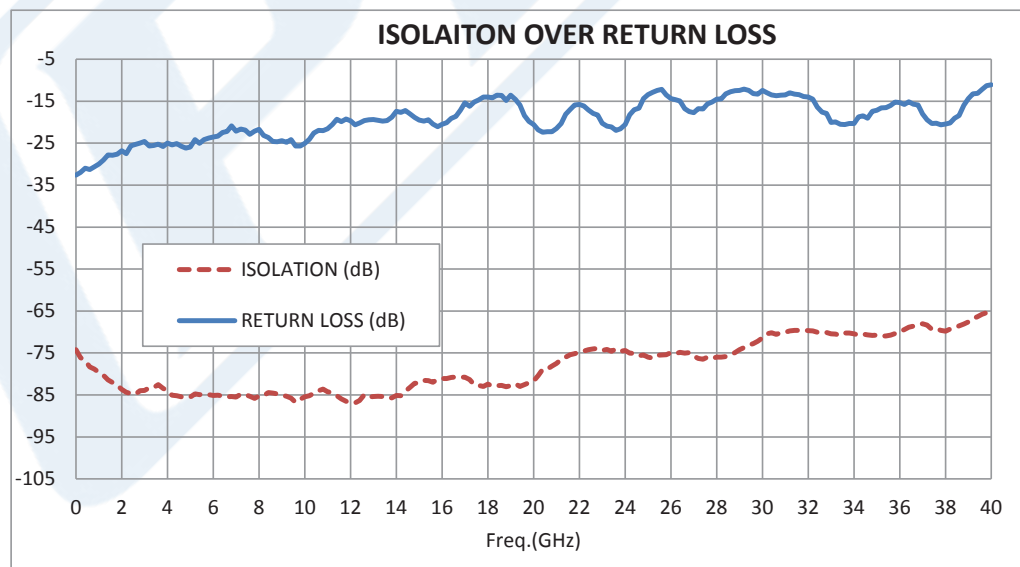
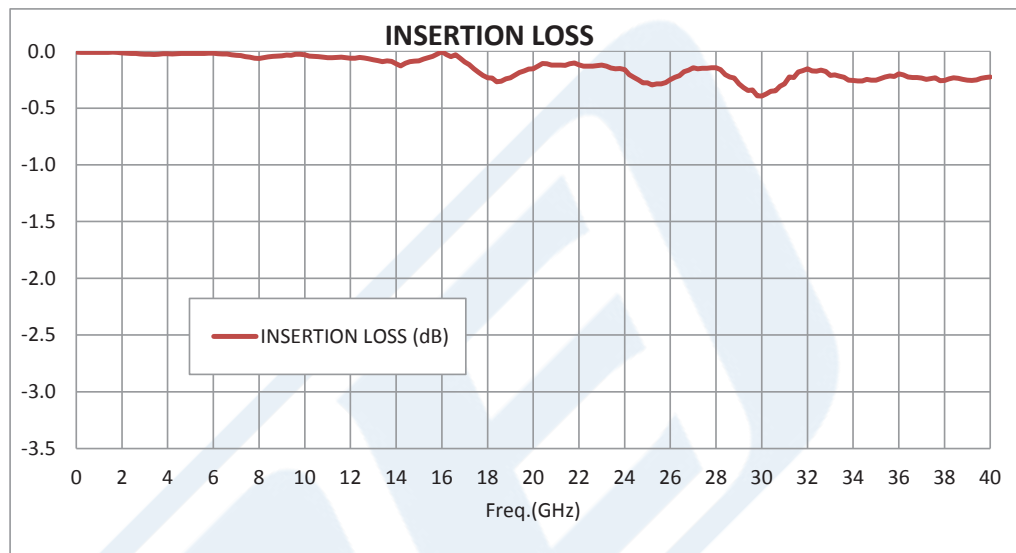


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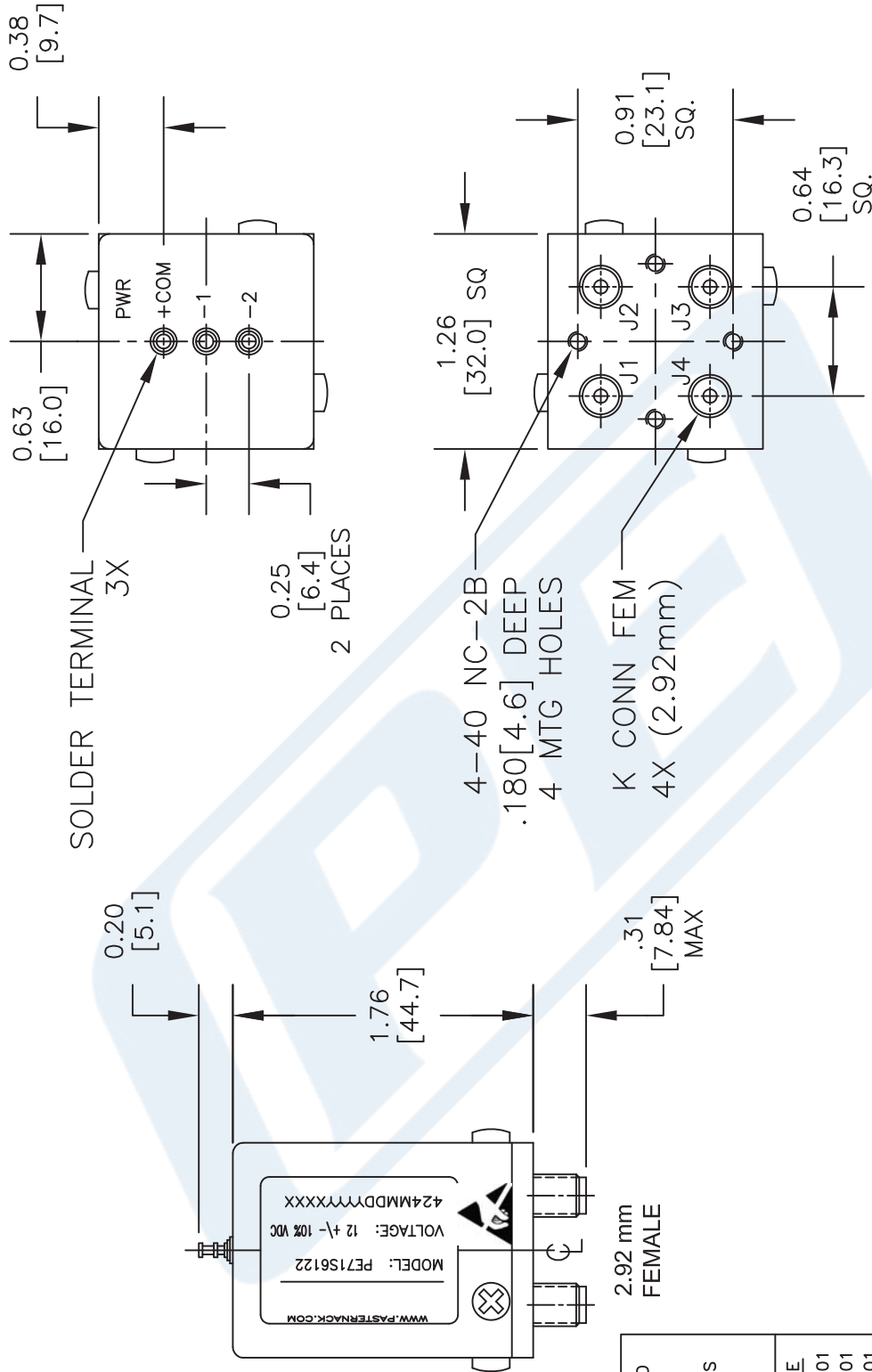
Typical Performance Data



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PE71S6122 CAD Drawing

Transfer Electromechanical Relay Switch DC to 40 GHz,
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES FRACTIONS
.XX ±.01 ± 1/2' ± 1/16
.XXX ±.005

HOLE DIAMETER	TOLERANCE
.0135 TO .125	+.004/- .001
.126 TO .250	+.005/- .001
.251 TO .500	+.006/- .001
.501 TO .750	+.008/- .001
.751 TO 1.000	+.010/- .001
1.001 TO 2.000	+.012/- .001

* THESE DIMENSIONS AND TOLERANCES
SUPERSEDE NOTE #1 ON TITLE BLOCK.

PE PASTERNAK
THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE
PE71S6122

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

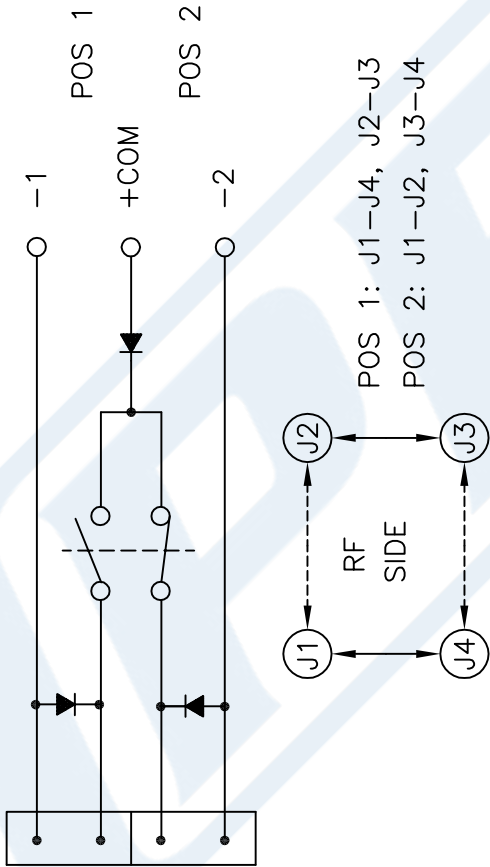
SCALE N/A

SIZE A

150

PE71S6122 CAD Drawing

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SCHEMATIC LATCHING SHOWN IN POSITION 1

NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE71S6122

FSCM NO. 53919

150

SIZE A

SCALE N/A

CAD FILE 022615

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Website: www.pasternack.com | E-Mail: sales@pasternack.com