



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

TECHNICAL DATA SHEET

PE71S6120

The PE71S6120 is Transfer Switch that operates from DC to 40 GHz. The switch has a failsafe actuator, Indicators and 1M life cycles. The switch has an operating voltage of 12 Volts and has TTL Control.

Features

- Transfer Switch
- DC to 40 GHz Operating Frequency Range
- 1 M Cycles min
- Failsafe Switch
- Indicators
- TTL Control
- 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	Indicators, Failsafe, TTL Logic
Actuating Current	690 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 Indicators, Failsafe, TTL PE71S6120](#)



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



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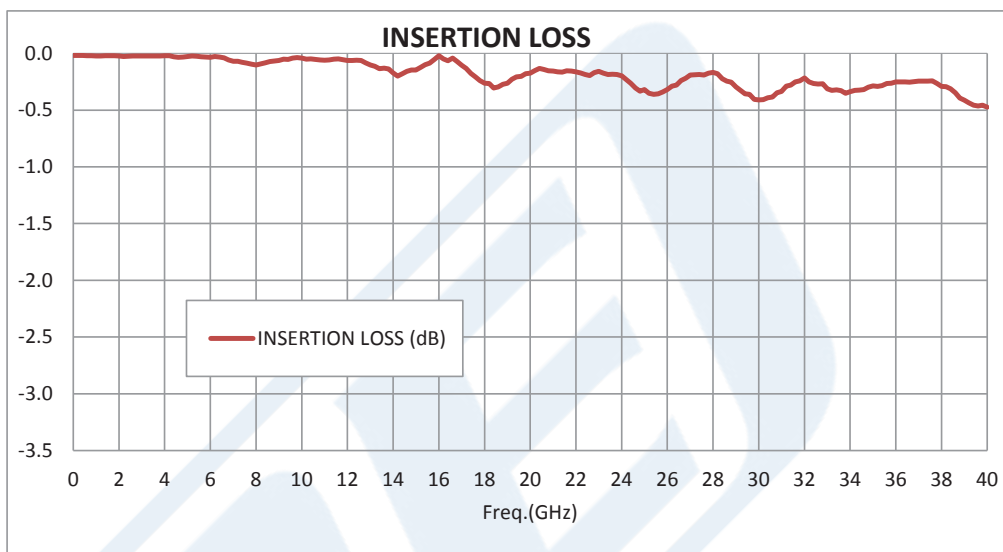
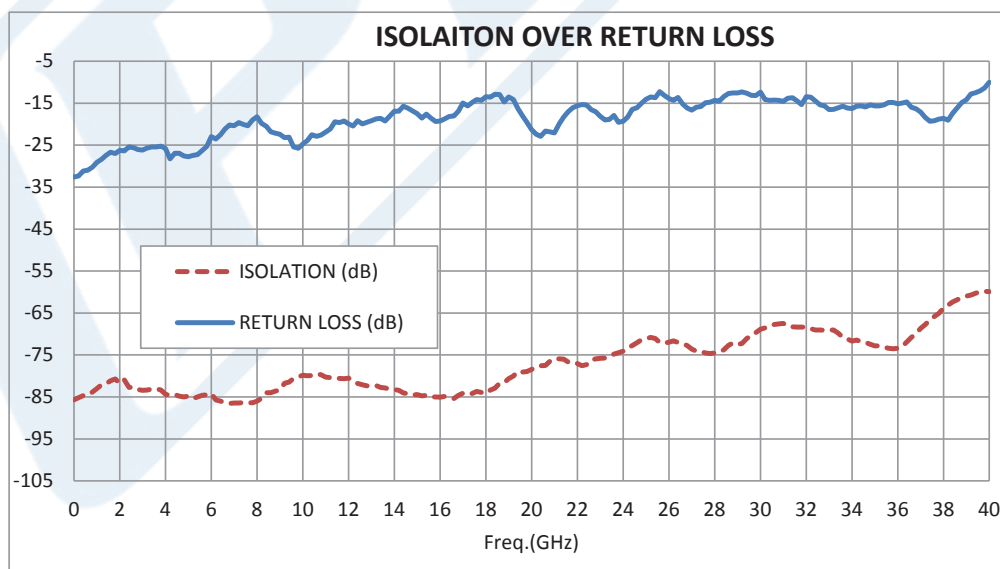


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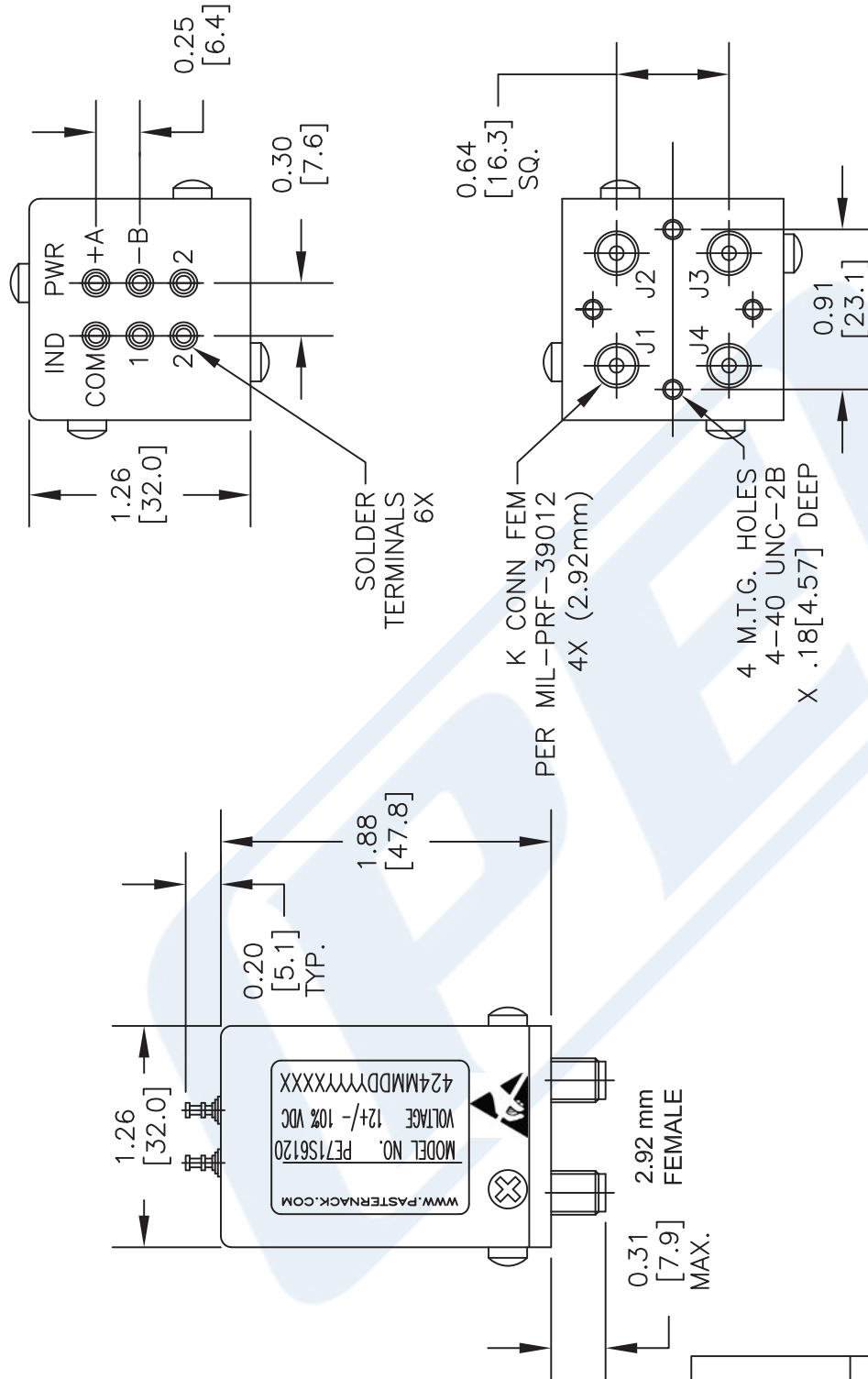
Typical Performance Data



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PE71S6120 CAD Drawing

Transfer Electromechanical Relay Switch DC to 40 GHz, 2.92mm,
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	
DECIMALS	ANGLES
.XX ±.03	± 1°
.XXX ±.010	± 1/16
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

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

DWG TITLE

PE71S6120

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

CAD FILE 022515

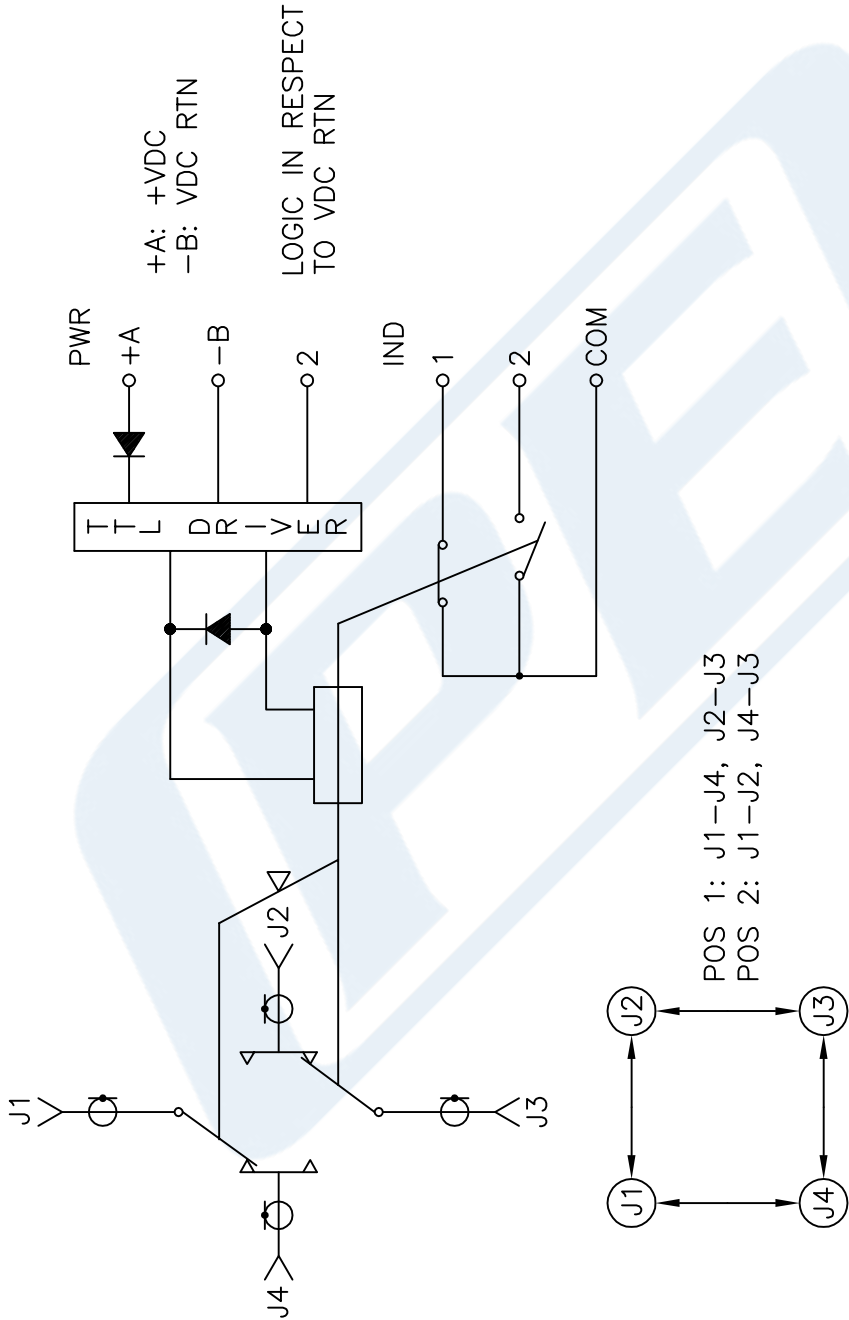
SCALE N/A

SIZE A

150

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