



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

TECHNICAL DATA SHEET

PE71S6124

The PE71S6124 is Transfer Switch that operates from DC to 40 GHz. The switch has a latching 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
- Latching 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, Latching, TTL Logic
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 Indicators, Latching, TTL PE71S6124](#)



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

TECHNICAL DATA SHEET

PE71S6124

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



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, Latching, TTL PE71S6124](#)

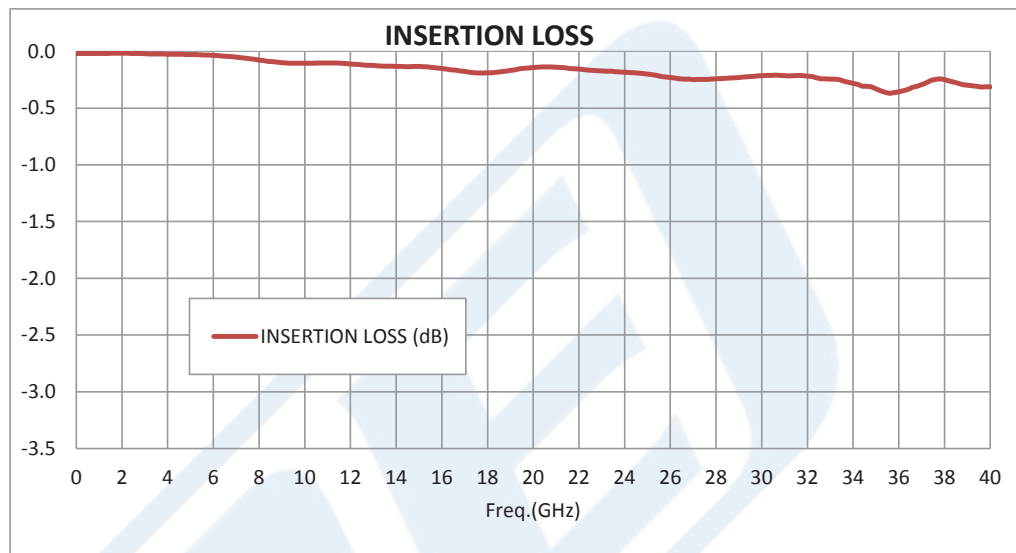
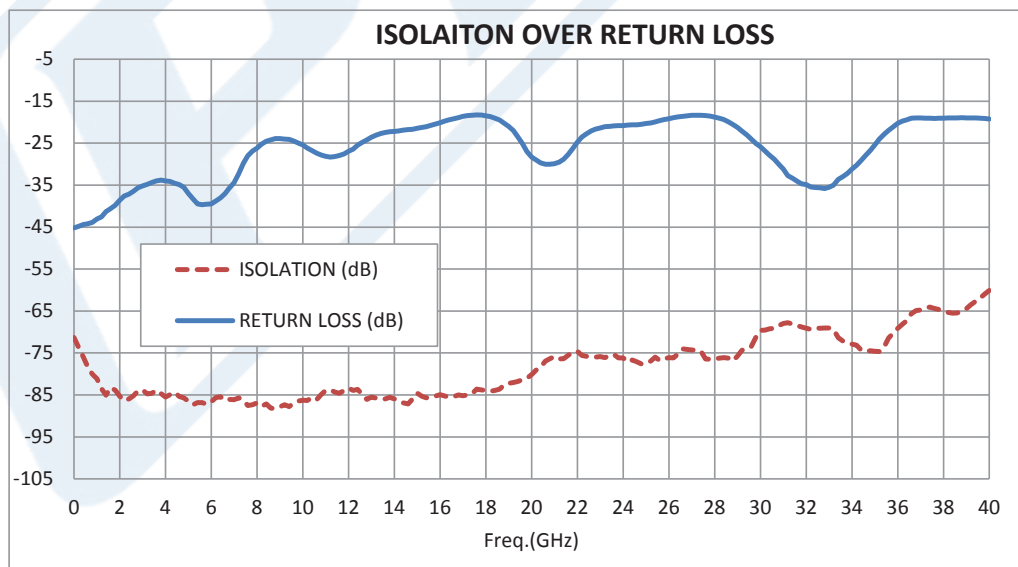


Transfer Electromechanical Relay Switch DC to 40 GHz,
2.92mm, 10 Watts, 12V Control with Indicators, Latching, TTL

TECHNICAL DATA SHEET

PE71S6124

Typical Performance Data



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, Latching, TTL PE71S6124](#)



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

TECHNICAL DATA SHEET

PE71S6124

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

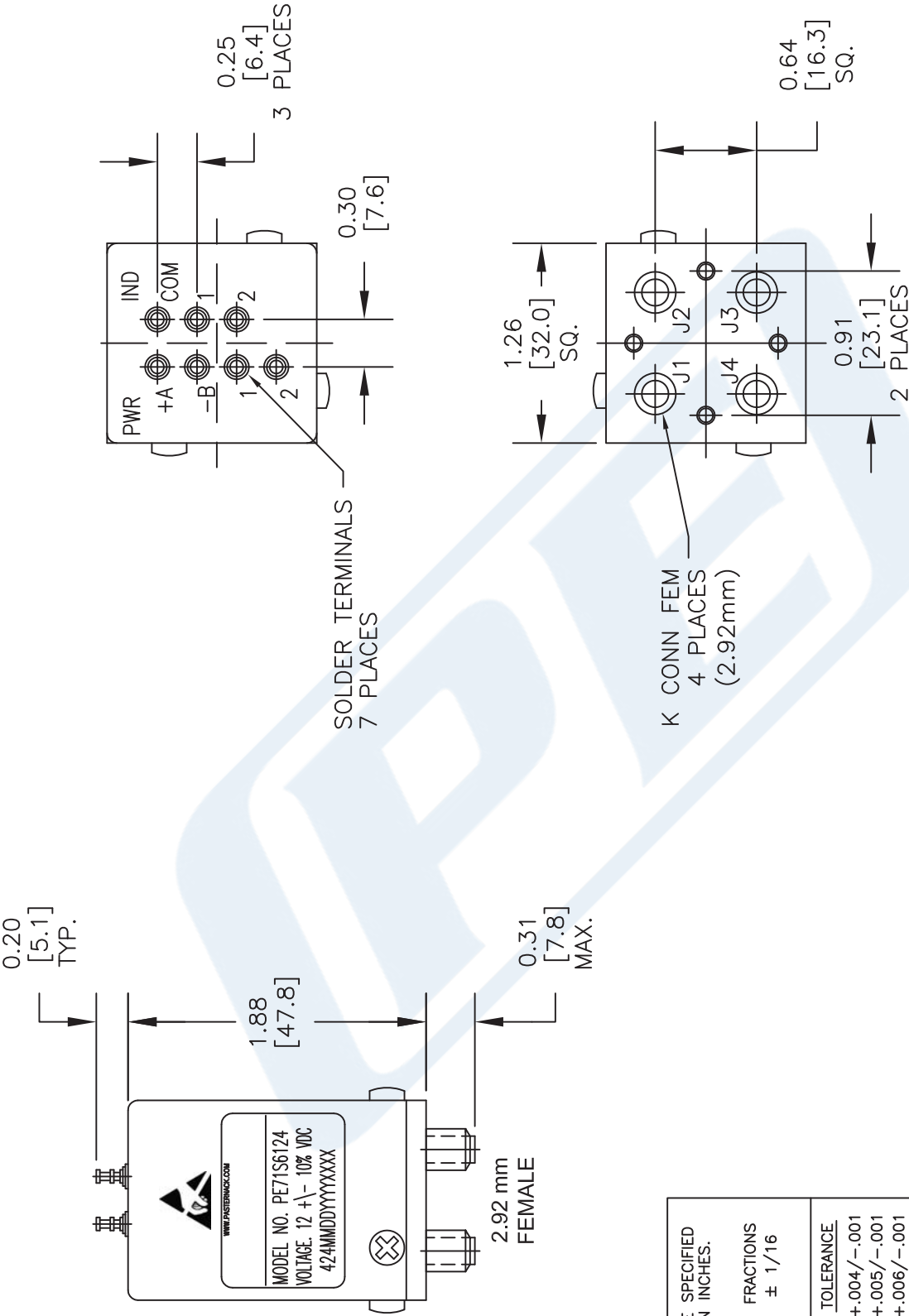
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Transfer Electromechanical Relay Switch DC to 40 GHz, 2.92mm, 10 Watts, 12V Control with Indicators, Latching, TTL PE71S6124](http://www.pasternack.com/2.92mm-transfer-electromechanical-relay-switch-40-ghz-indicators-latching-ttl-logic-pe71s6124-p.aspx)

URL: <http://www.pasternack.com/2.92mm-transfer-electromechanical-relay-switch-40-ghz-indicators-latching-ttl-logic-pe71s6124-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.

PE71S6124 CAD Drawing

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



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.



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
PE71S6124

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 022615

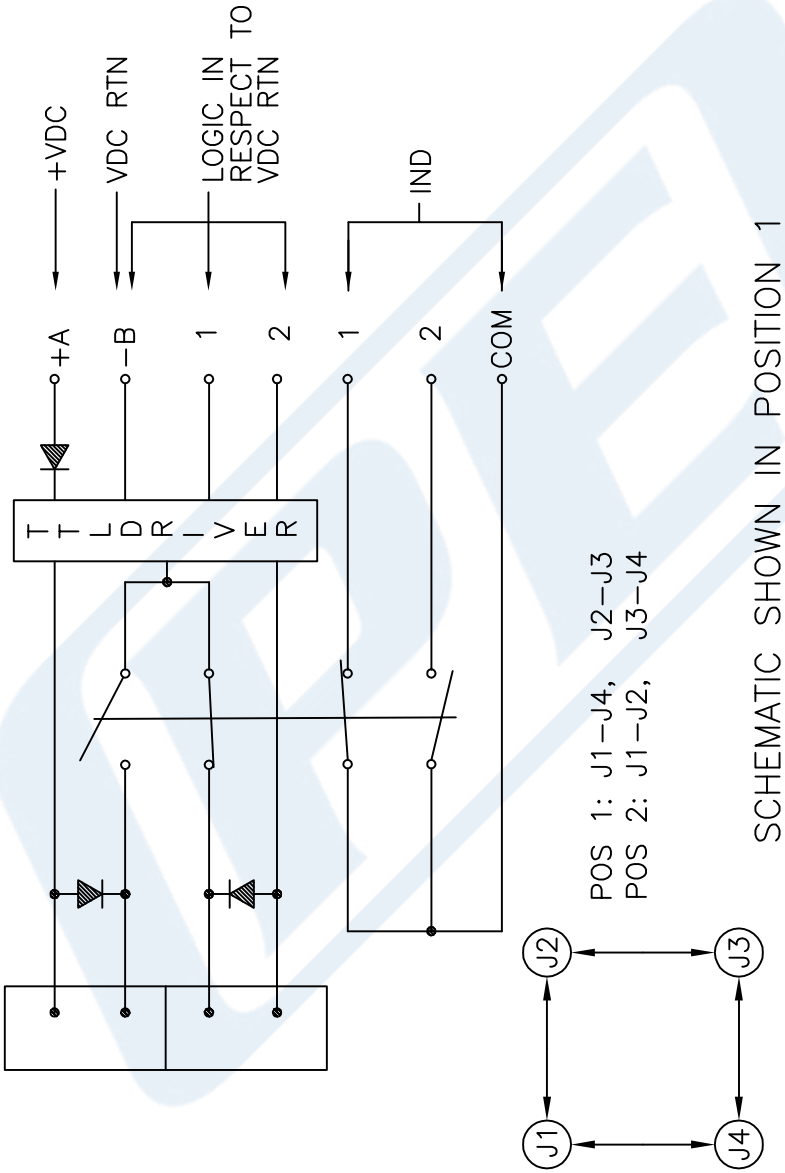
SCALE N/A

SIZE A

150

PE71S6124 CAD Drawing

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



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].

DWG TITLE
PE71S6124

FSCM NO. 53919

150

SIZE A

SCALE N/A

CAD FILE 022615

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