



Transfer Electromechanical Relay Switch DC to 12.4 GHz, N, 50 Watts, 12V Control with Failsafe

TECHNICAL DATA SHEET

PE71S6174

The PE71S6174 is a Transfer Switch that operates from DC to 12.4 GHz. The switch has a Failsafe actuator and 1M life cycles. The switch has an operating voltage of +12 Volts.

Features

- Transfer Switch
- DC to 12.4 GHz Operating Frequency Range
- 1 M Cycles min
- Failsafe Switch

Applications

- Test & Measurement
- Communications System
- Instrumentation

Electrical Specifications

Frequency Range	DC to 12.4 GHz
Impedance	50 Ohms
Actuator	Failsafe
Actuating Current	540 mA
Control Voltage	12 Volts
RF Input Power (Max CW)	50 Watts

RF Characteristic

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency Range	DC to 4	4 to 8	8 to 12.4			GHz
VSWR, Max	1.2:1	1.3:1	1.45:1			
Insertion Loss, Max	0.2	0.3	0.4			dB
Isolation, Min	80	70	60			dB

Mechanical Specifications

Connector Type	N Female
Operating Life	1,000,000
Terminals	Solder Pins
Switching Time (nominal voltage, 25°C)	50 ms Max

Environmental Specifications

Temperature	
Operating Range	-25 to +65 deg C
Environment	Designed to Meet MIL-DTL-3928

Compliance Certifications (visit www.Pasternack.com for current document)

Not RoHS Compliant

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 12.4 GHz, N, 50 Watts, 12V Control with Failsafe PE71S6174](#)



Transfer Electromechanical Relay Switch DC to
12.4 GHz, N, 50 Watts, 12V Control with Failsafe

TECHNICAL DATA SHEET

PE71S6174

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 12.4 GHz, N, 50 Watts, 12V Control with Failsafe PE71S6174](#)

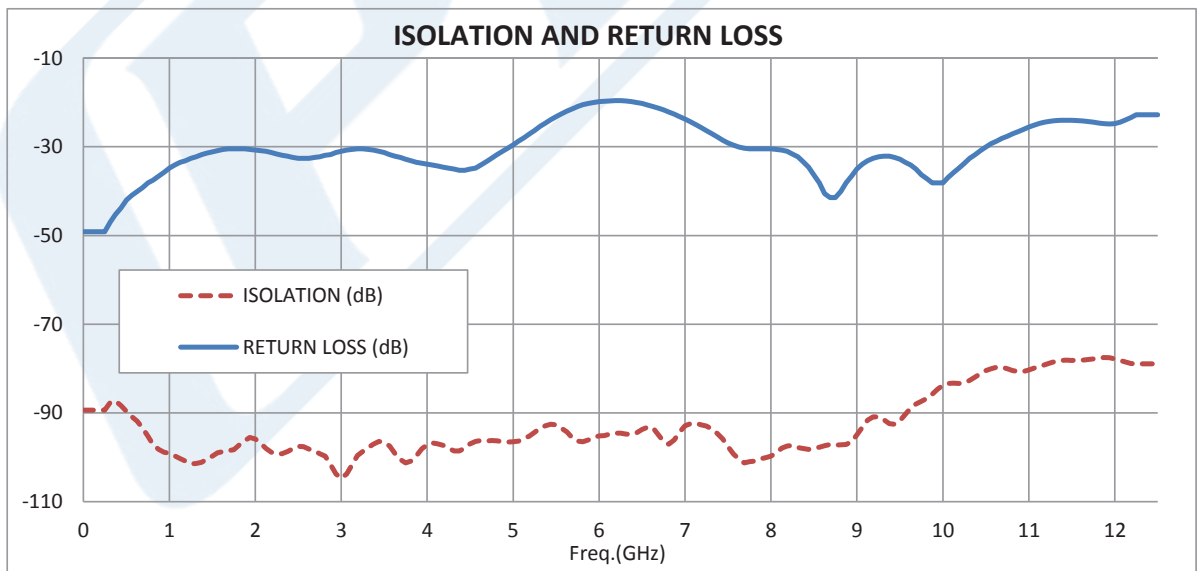
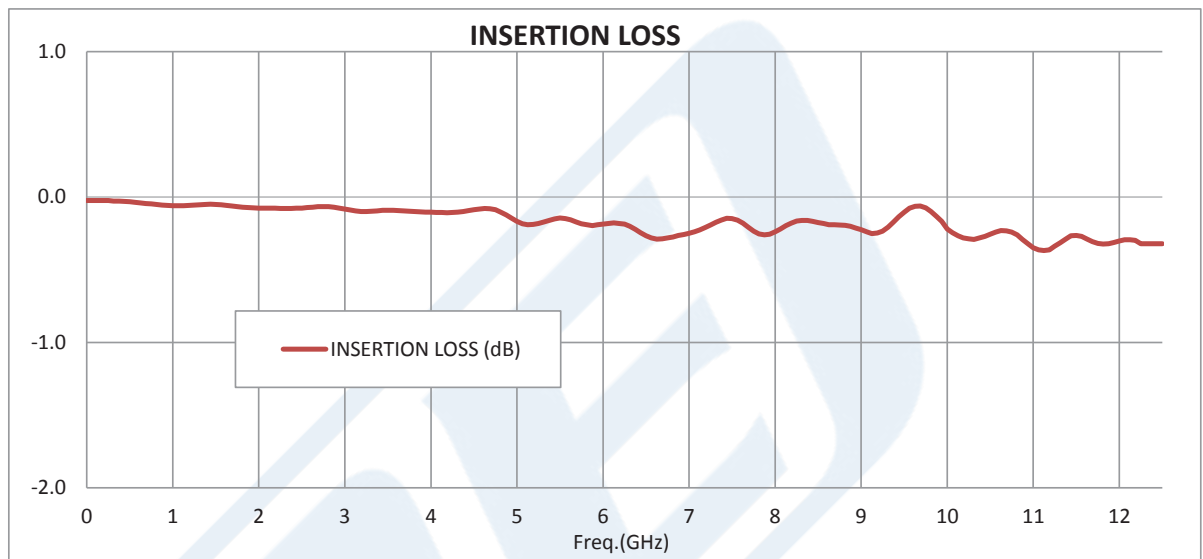


Transfer Electromechanical Relay Switch DC to 12.4 GHz, N, 50 Watts, 12V Control with Failsafe

TECHNICAL DATA SHEET

PE71S6174

Typical Performance Data

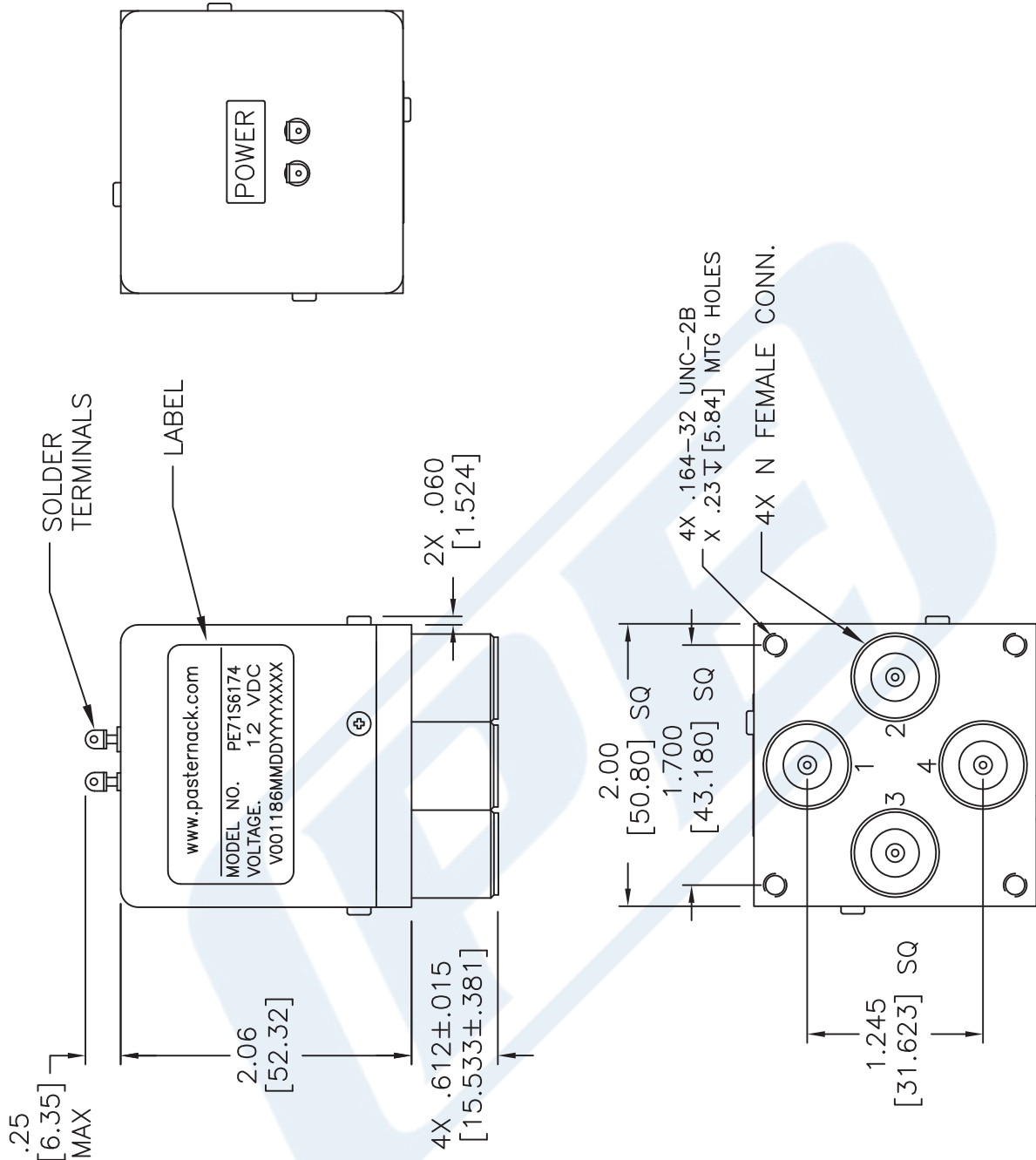


Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Transfer Electromechanical Relay Switch DC to 12.4 GHz, N, 50 Watts, 12V Control with Failsafe PE71S6174](#)



PE71S6174 CAD Drawing

Transfer Electromechanical Relay Switch DC to 12.4 GHz,
N, 50 Watts, 12V Control with Failsafe



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	
DECIMALS	ANGLES
.XX ± .03 (0.76)	±1°
.XXX ± .010 (0.254)	FRACTIONS
	±1/16
HOLE DIAMETER	TOLERANCE
.0135 TO .125 (0.343 TO 3.175)	+ .004 TO -.001 (+0.102 TO -0.025)
.126 TO .250 (3.200 TO 6.350)	+ .005 TO -.001 (+0.127 TO -0.025)
.251 TO .500 (6.375 TO 12.700)	+ .006 TO -.001 (+0.152 TO -0.025)
.501 TO .750 (12.725 TO 19.050)	+ .008 TO -.001 (+0.203 TO -0.025)
.751 TO 1.000 (19.075 TO 25.400)	+ .010 TO -.001 (+0.254 TO -0.025)
1.001 TO 2.000 (25.425 TO 50.800)	+ .012 TO -.001 (+0.305 TO -0.025)

* 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
PE71S6174

FSCM NO. 53919

SCALE N/A

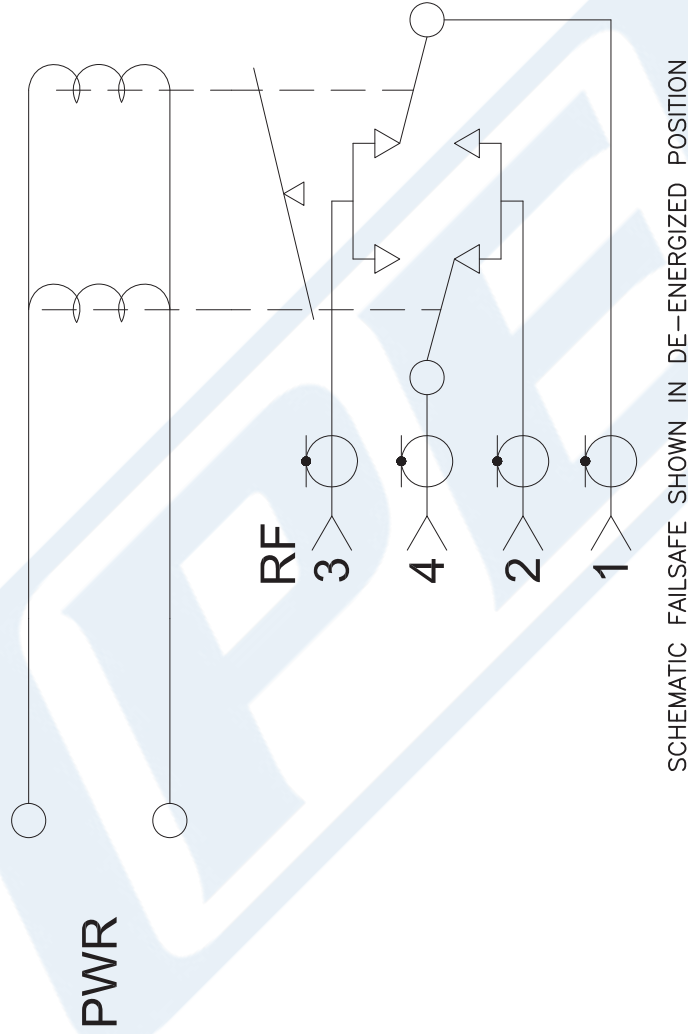
SIZE A

2233

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].

PE71S6174 CAD Drawing

Transfer Electromechanical Relay Switch DC to 12.4 GHz,
N, 50 Watts, 12V Control with Failsafe



SCHEMATIC FAILSAFE SHOWN IN DE-ENERGIZED POSITION

DWG TITLE

PE71S6174

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 042715

SCALE N/A

SIZE A

2233



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