

Transfer Electromechanical Relay Failsafe Switch DC to 12.4 GHz, N, 160 Watts, 12V Control



Electromechanical Relay Switches Technical Data Sheet

PE71S6174

Features

- Transfer Relay Switch
- DC to 12.4 GHz Frequency Range
- 1M Cycle Min Operating Life
- · Failsafe Actuator

- Insertion Loss 0.4 dB max
- Isolation 60 dB min
- 160 Watts Avg Power Max
- · Switching Sequence Break Before Make

Applications

· Test & Measurement

- · Communications System
- Instrumentation

Description

The PE71S6174 is a Transfer Electromechanical Relay Switch that operates from DC to 12.4 GHz and has a rating of 160 Watts input power (CW) in a Break Before Make condition. The design features a Failsafe Actuator and is rated for 1M Life Cycles for high reliability operation. Insertion loss is specified from 0.2 dB max and Isolation from 80 dB min, with +12 Vdc operating voltage and performance is guaranteed over -25°C to +65°C. The package interface uses solder terminals and N Female connectors.

Electrical Specifications

Switch Type Actuator Type

Switching Sequence

Transfer, Reflective

Failsafe

Break Before Make

Minimum	Typical	Maximum	Units
DC		12.4	GHz
	50		Ohms
	12		Volts
	540		mA
		1.45:1	
		0.4	dB
60			dB
		160	Watts
	DC	DC 50 12 540	DC 12.4 50 12 540 1.45:1 0.4

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 Failsafe Switch DC to 12.4 GHz, N, 160 Watts, 12V Control PE71S6174





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Performance by Frequency

Description	F1	F2	F3	F4	F5	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

Size

Lenath

Width/Diameter

Height

Weight

Body Material and Plating

Package Type

Operating Life

Switching Time

Connectors

RF Connector Type

RF Connector Contact Material and Plating

RF Connector Body Material and Plating

Control Connector

Environmental Specifications

Temperature

ESD Sensitivity

-25 to +65 deg C

2.06 in [52.32 mm]

0.92 lbs [417.3 g]

Connectorized Module 1,000,000 Cycles

Beryllium Copper, Gold

Passivated Stainless Steel

2 in [50.8 mm] 2 in [50.8 mm]

Aluminum

50 ms Max

N Female

Solder Pin

ESD Sensitive Material. Transport material in Approved

ESD bags. Handle in approved ESD Workstation.

Operating Range

Environmental Specification Notes:

Designed to meet MIL-DTL-3928

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

Not RoHS Compliant

Plotted and Other Data

Notes:

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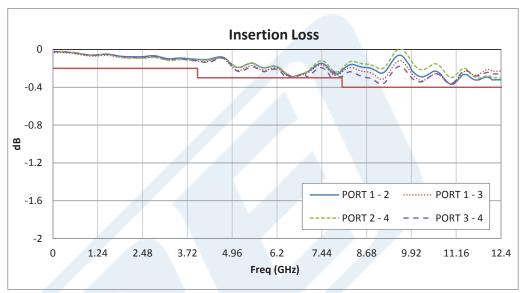
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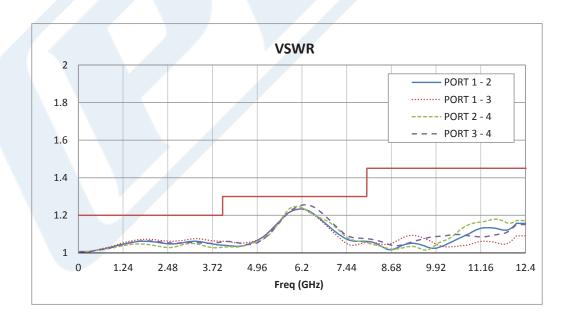


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Typical Performance Data





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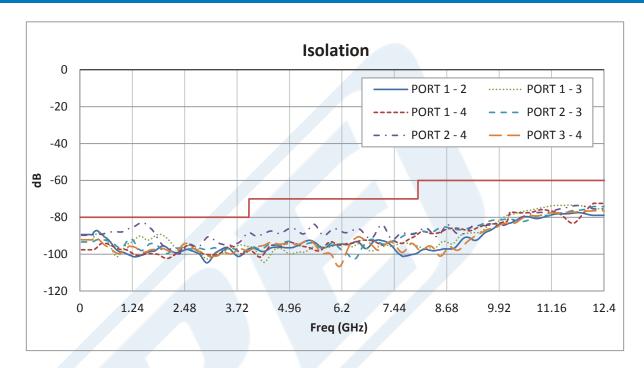


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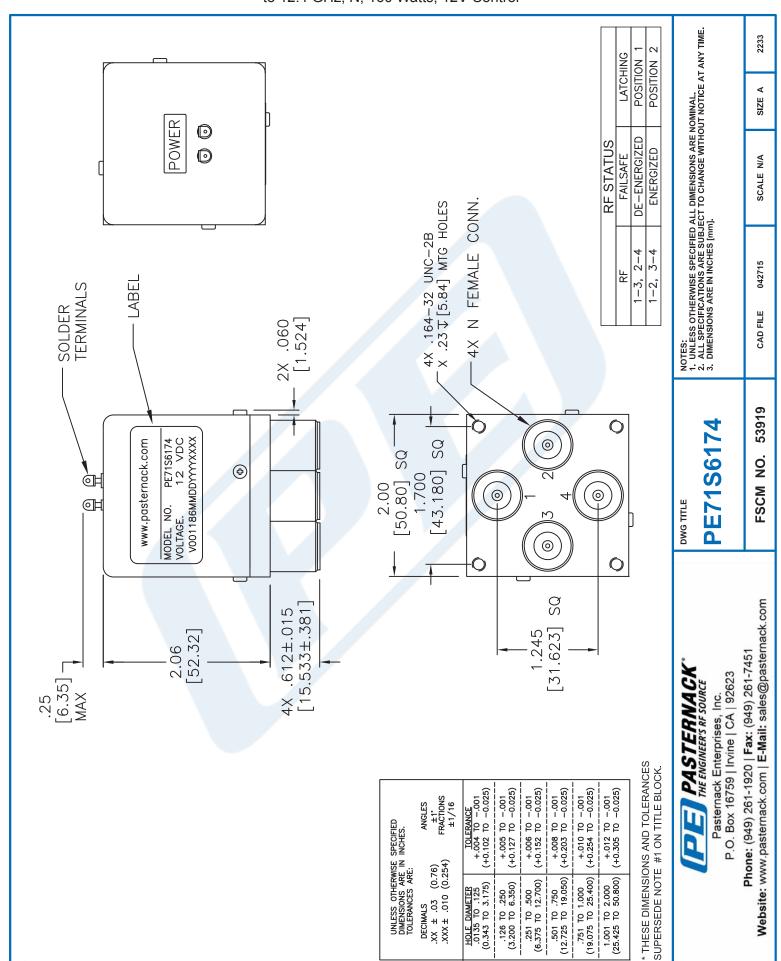
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PE71S6174 CAD Drawing

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