

Transfer Electromechanical Relay Failsafe Switch DC to 26.5 GHz, SMA, 20 Watts, 12V Control



Electromechanical Relay Switches Technical Data Sheet

PE71S6110

Features

- Transfer Relay Switch
- DC to 26.5 GHz Frequency Range
- 1M Cycle Min Operating Life
- · Failsafe Actuator

- Insertion Loss 0.5 dB max
- Isolation 60 dB min
- 20 Watts Avg Power Max
- Switching Sequence Break Before Make

Applications

- · Test & Measurement
- · Communications System
- Instrumentation

Description

The PE71S6110 is a Transfer Electromechanical Relay Switch that operates from DC to 26.5 GHz and has a rating of 20 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. Performance is guaranteed over -25°C to +65°C and the switch assembly is RoHS compliant. The package interface uses solder terminals and SMA Female connectors.

Electrical Specifications

Switch Type Actuator Type

Switching Sequence

Transfer, Reflective

Failsafe

Break Before Make

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
Impedance		50		Ohms
Operating Voltage		12		Volts
Actuating Current @ 12 Volts		375		mA
VSWR			1.5:1	
Insertion Loss			0.5	dB
Isolation	60			dB
Input Power (CW)			20	Watts
(at 26.5 GHz)				

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 26.5 GHz, SMA, 20 Watts, 12V Control PE71S6110

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



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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	12 to 18	18 to 26.5	GHz
VSWR, Max	1.2:1	1.3:1	1.4:1	1.5:1	1.5:1	
Insertion Loss, Max	0.2	0.3	0.4	0.5	0.5	dB
Isolation, Min	80	75	70	60	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

Operating Range

ESD Sensitivity

-25 to +65 deg C

1.75 in [44.45 mm]

2.16 in [54.86 mm] 1.363 in [34.62 mm]

0.348 lbs [157.85 g]

Connectorized Module 1,000,000 Cycles

Beryllium Copper, Gold Passivated Stainless Steel

Aluminum

35 ms Max

SMA Female

Solder Pin

ESD Sensitive Material. Transport material in Approved ESD bags. Handle in approved ESD Workstation.



Environmental Specification Notes: Designed to meet MIL-DTL-3928

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

Plotted and Other Data

Notes:

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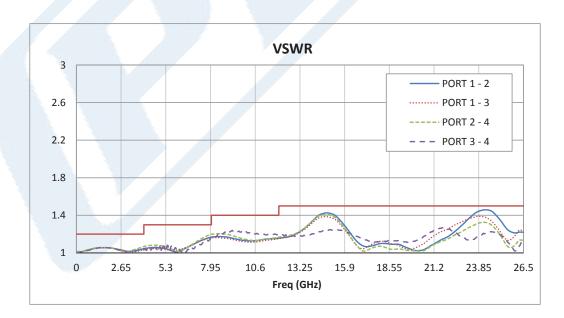


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Typical Performance Data





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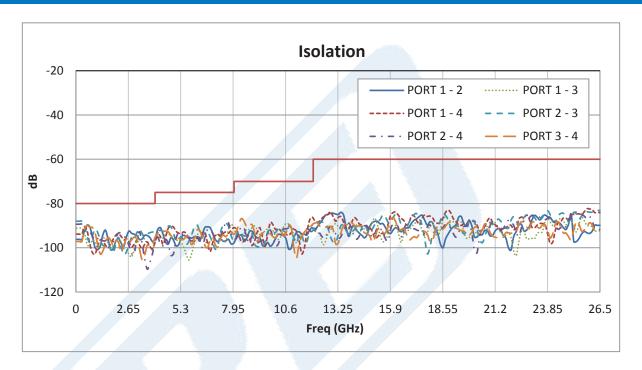


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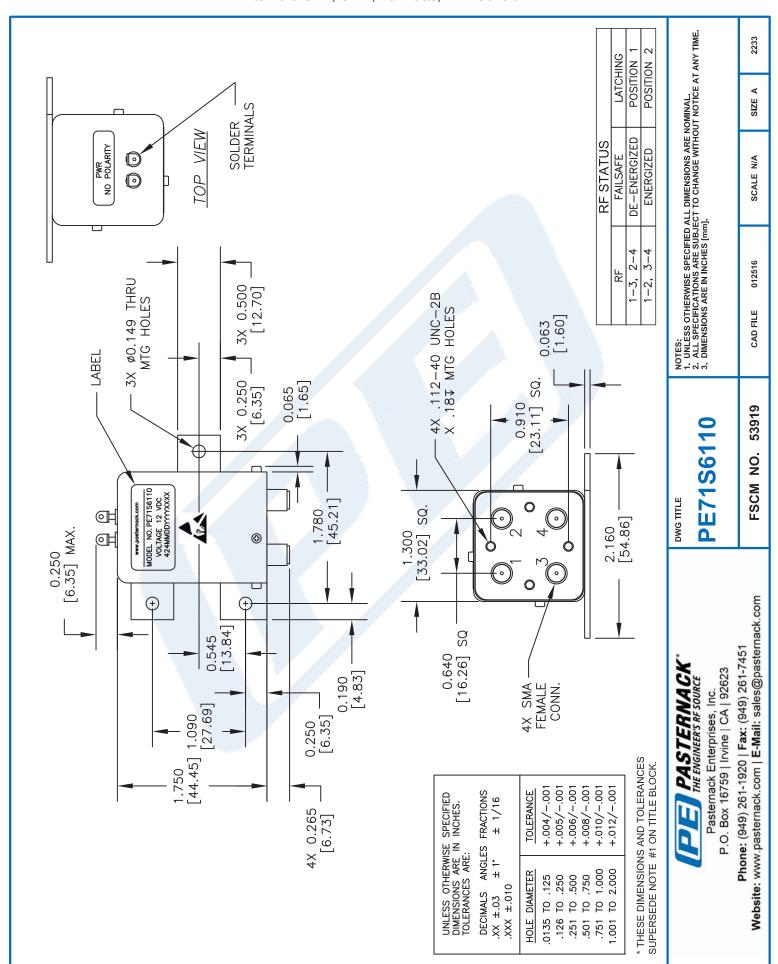
URL: http://www.pasternack.com/sma-transfer-electromechanical-relay-switch-26.5-ghz-failsafe-pe71s6110-p.aspx

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PE71S6110 CAD Drawing

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