



PIN Diode Switches Technical Data Sheet

PE71S2010

Features

- · SPDT Absorptive Switch
- 0.07 GHz to 26.5 GHz
- · Insertion Loss 5 dB max

- Isolation 55 dB min
- Power Input +27 dBm CW max

Applications

- Test & Measurement
- · Military Communication
- Commercial Communication

Description

The PE71S2010 is a SINGLE POLE DOUBLE THROW (SPDT) ABSORPTIVE PIN DIODE SWITCH that operates from 0.07 to 26.5 GHz. J1 and J2 ports are terminated in 50 ohms when switched in the isolation (off) state. Electrical performance includes 5 dB max insertion loss, -7 dB max return loss, 55 dB min isolation, and 100 nsec max switching speed. The design incorporates TTL-compatible driver circuitry for accurate logic control. Operational temperature range is -30°C to +60°C and dual voltage controls of +5 Vdc and -5 Vdc are required. The package interface uses solder terminals and SMA Female connectors.

Electrical Specifications

0.07			
0.07		26.5	GHz
	50		Ohms
		-7	dB
		5	dB
55			dB
		100	ns
		0.5	Watts
	5		Vdc
	-5		Vdc
-30		+60	deg C
		55 5 -5	-7 5 55 100 0.5 5 -5

Electrical Specification Notes:

Specified switching time includes TTL driver delay.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Absorptive SPDT PIN Diode Switch Operating From 70 MHz to 26.5 GHz Up to +27 dBm and SMA PE71S2010

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

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Mechanical Specifications

Size

Length Width

Height

Weight Design RF Connector

TTL Control Connector

1 in [25.4 mm] 1.2 in [30.48 mm]

0.6 in [15.24 mm] 0.118 lbs [53.52 g] Absorptive, SPDT

SMA Female SMA Female

Environmental Specifications

Temperature

Operating Range ESD Sensitivity

-30 to +60 deg C

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



Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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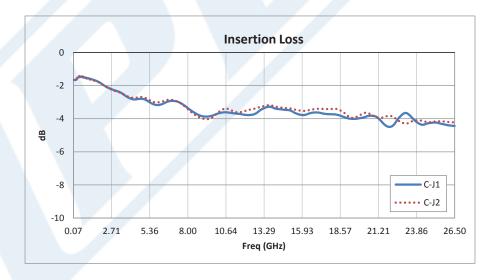


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Typical Performance Data





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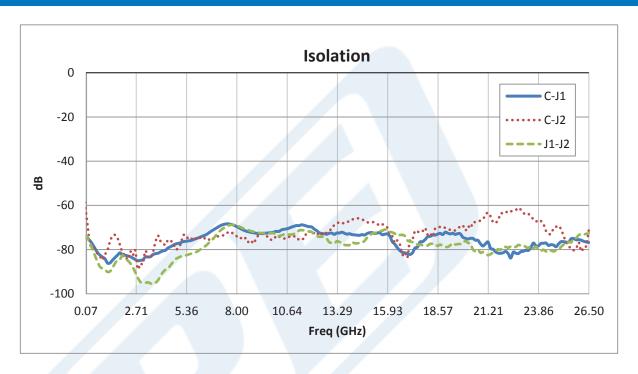
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URL: https://www.pasternack.com/absorptive-spdt-pin-diode-switch-26.5-ghz-27-dbm-sma-pe71s2010-p.aspx

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.

PE71S2010 CAD Drawing

Absorptive SPDT PIN Diode Switch Operating From 70 MHz to 26.5 GHz Up to +27 dBm and SMA

