



Absorptive SPDT PIN Diode Switch Operating From 500 MHz to 18 GHz Up to +20 dBm and Field Replaceable SMA

PIN Diode Switches Technical Data Sheet

PE71S6210

Features

- SPDT Absorptive Switch
- 0.5 GHz to 18.0 GHz
- Insertion Loss 3.75 dB max
- Isolation 55 dB min
- Power Input 20 dBm CW max
- Switching Speed 100 nsec max

Applications

- Test & Measurement
- Military Communication
- Commercial Communication

Description

The PE71S6210 is a SPDT Absorptive Switch designed to operate over the 0.5 GHz to 18.0 GHz Frequency Range. The switch is designed to maintain low insertion loss, high isolation, and fast switching speed.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		18	GHz
Impedance		50		Ohms
VSWR			2:1	
Insertion Loss			3.75	dB
Isolation	55			dB
Switching Time			100	ns
Input Power (CW)			0.1	Watts
Survival Power			1	Watts
Positive Operating Voltage		5		V
Negative Operating Voltage		-15		V
Current @ 5 V		80		mA
Current @ -15 V		50		mA
Operating Temperature	-40		+85	deg C

Mechanical Specifications

Size

Length	1.2 in [30.48 mm]
Width	0.9 in [22.86 mm]
Height	0.35 in [8.89 mm]
Weight	0.05 lbs [22.68 g]
Design	Absorptive, SPDT
RF Connector	SMA Female
RF Connector Option	Field Replaceable
TTL Control Connector	Solder Pin

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 500 MHz to 18 GHz Up to +20 dBm and Field Replaceable SMA PE71S6210](#)



Absorptive SPDT PIN Diode Switch Operating From 500 MHz
to 18 GHz Up to +20 dBm and Field Replaceable SMA

PIN Diode Switches Technical Data Sheet

PE71S6210

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Storage Range

-55 to +125 deg C

Humidity

MIL-STD-202F, METHOD 103B COND. B

Shock

MIL-STD-202F, METHOD 213B COND. B

Vibration

MIL-STD-202F, METHOD 204D COND. B

Altitude

MIL-STD-202F, METHOD 105C COND. B

Temperature Cycling

MIL-STD-202F, METHOD 107D COND. A

ESD Sensitivity

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



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

Not RoHS Compliant

REACH Compliant

12/17/2015

Plotted and Other Data

Notes:

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 500 MHz to 18 GHz Up to +20 dBm and Field Replaceable SMA PE71S6210](#)

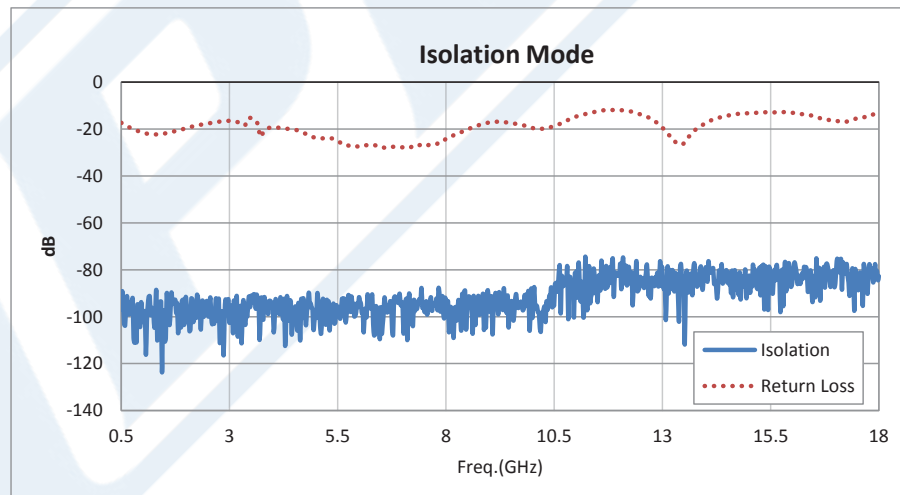
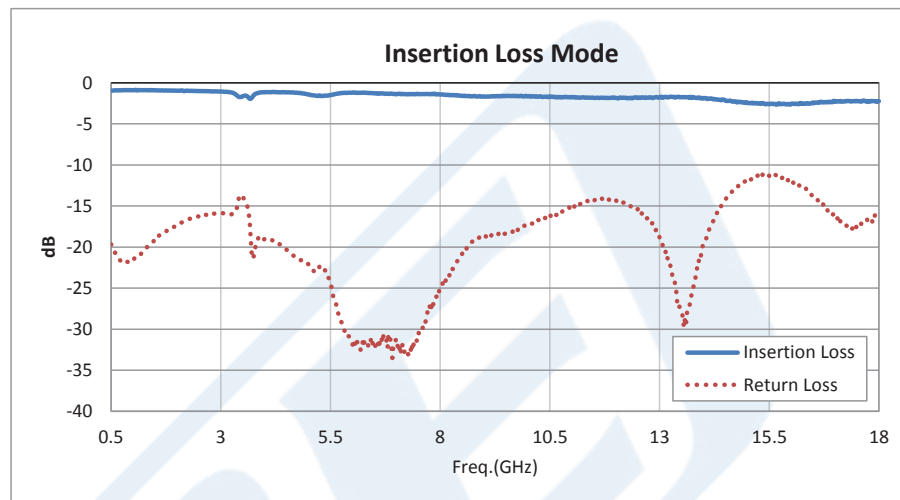


Absorptive SPDT PIN Diode Switch Operating From 500 MHz to 18 GHz Up to +20 dBm and Field Replaceable SMA

PIN Diode Switches Technical Data Sheet

PE71S6210

Typical Performance Data

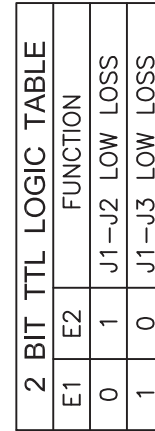


Absorptive SPDT PIN Diode Switch Operating From 500 MHz to 18 GHz Up to +20 dBm and Field Replaceable SMA from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection 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: [Absorptive SPDT PIN Diode Switch Operating From 500 MHz to 18 GHz Up to +20 dBm and Field Replaceable SMA PE71S6210](#)

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 500 MHz to 18 GHz Up to +20 dBm and Field Replaceable SMA PE71S6210](#)

Absorptive SPDT PIN Diode Switch Operating From 500 MHz to 18 GHz Up to +20 dBm and Field Replaceable SMA



* THESE DIMENSIONS AND TOLERANCES
SUPERSEDE NOTE #1 ON TITLE BLOCK.

Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

PE71S6210

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

041116

SIZE A

2233