PASTERNACK®
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SMA SPST PIN Diode Switch Operating From 10 MHz to 1,000 MHz Up To +20 dBm

PIN Diode Switches Technical Data Sheet PE71S6230

Features

- SPST Absortive Switch
- 0.01 GHz to 1.0 GHz
- Insertion Loss 1.3 dB max
- Isolation 80 dB typ
- Power Input 20 dBm CW max

Applications

- Test & Measurement
- Military Communication
- Commercial Communication

Description

The PE71S6230 is a SPST Absortive Switch designed to operate over the 0.01 GHz to 1.0 GHz Frequecny Range. The switch is designed to maintain low insertion loss, high isolation, and fast switching speed.

Electrical Specifications

TTL Control

Off/Isolation: "1"
On/Low Loss: "0"

Description	Minimum	Typical	Maximum	Units
Frequency Range	10		1,000	MHz
Impedance		50		Ohms
VSWR		1.5:1		
Insertion Loss			1.3	dB
Isolation		80		dB
Swiching Time			200	ns
Input Power (CW)			0.1	Watts
Survival Power			1	Watts
Positive Operating Voltage		5		Volts
Negative Operating Voltage		-15		Volts
Current @ 5 Volts		20		
Current @ -15 Volts		40		
Operating Temperature	-55		85	deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA SPST PIN Diode Switch Operating From 10 MHz to 1,000 MHz Up To +20 dBm PE71S6230

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	1 in [25.4 mm]
Width	1 in [25.4 mm]
Height	0.5 in [12.7 mm]
Finish	Blue

Configuration

Package Type	Connectorized Module
Design	SPST, Absorptive
RF Connector	SMA Female
TTL Control Connector	Pin

Environmental Specifications

Temperature

Operating Range	-55 to 85 deg C
Storage Range	-65 to 125 deg C
Humidity	MIL-STD-202F, Method 103B, Condition B
Shock	MIL-STD-202F, Method 213B, Condition B
Vibration	MIL-STD-202F, Method 204D, Condition B
Altitude	MIL-STD-202F, Method 105C, Condition B
Temperature Cycling	MIL-STD-202F, Method 107D, Condition 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

Plotted and Other Data

Notes:

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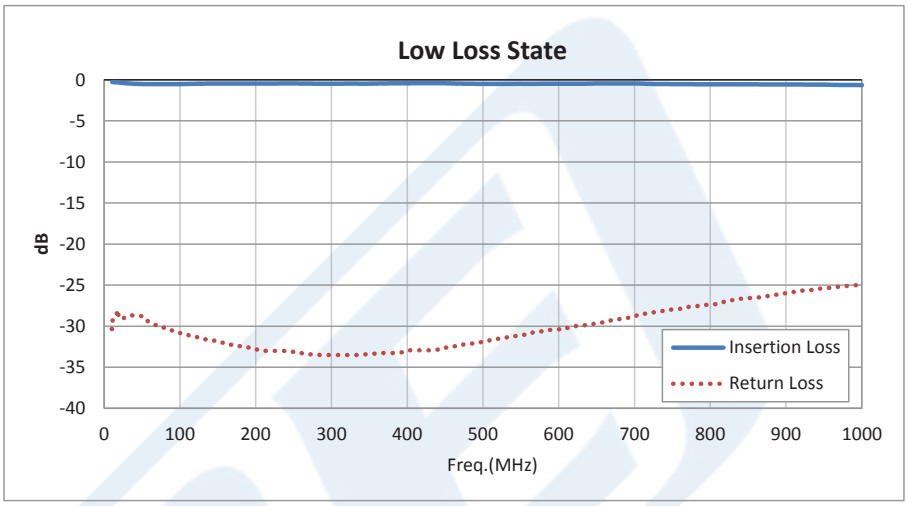
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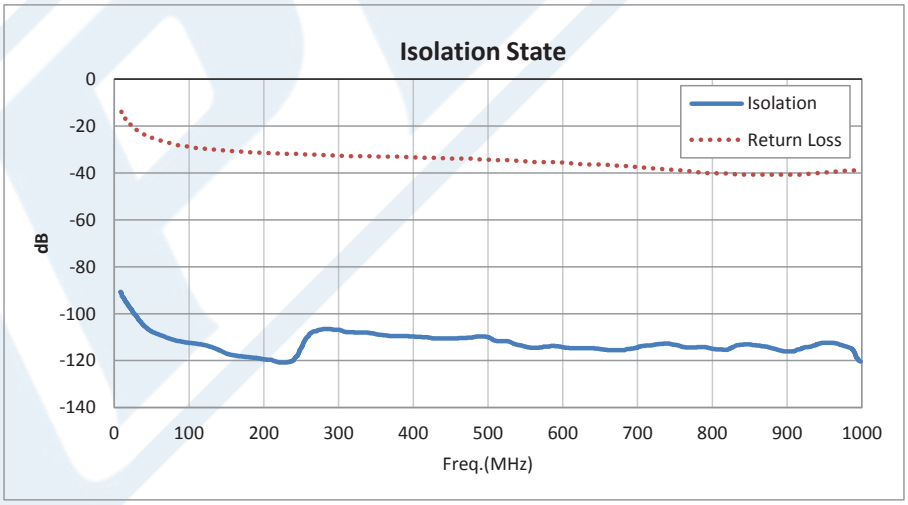


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Typical Performance Data





SMA SPST PIN Diode Switch Operating From 10 MHz to 1,000 MHz Up To +20 dBm 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.

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URL: http://www.pasternack.com/sma-spst-pin-diode-switch-10-1000-mhz-20-dbm-pe71s6230-p.aspx

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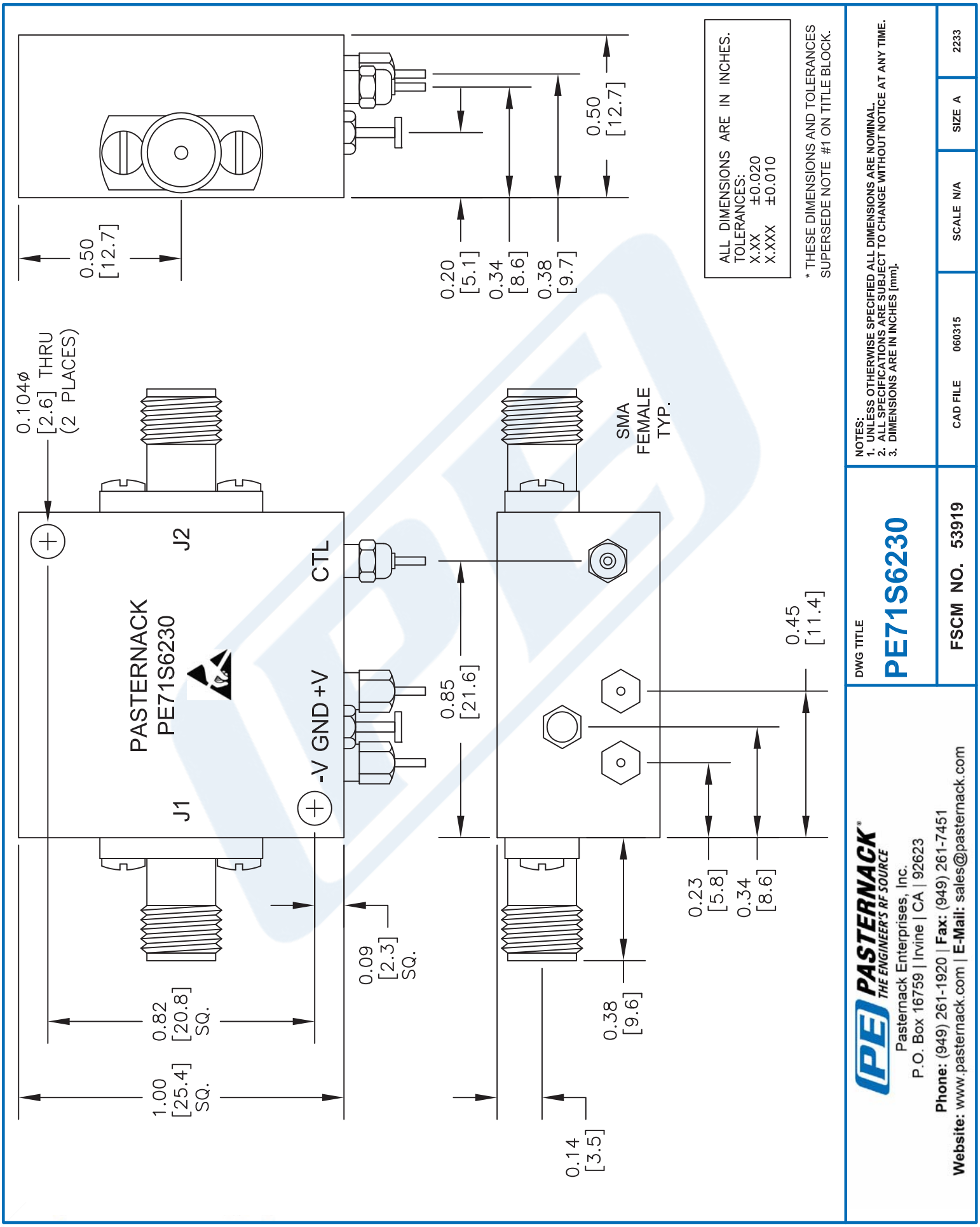
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PE71S6230 CAD Drawing

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