



Electromechanical Relay Switches Technical Data Sheet

PE71S6403

Features	
Tranfer (DPDT)	 -25 to +70°C Operating Temperature
 DC to 12 GHz Frequency Range 	 Insertion Loss as low as 0.2 dB Max
 2M Cycle Min Operating Life 	 VSWR from 1.2:1
• +28 Volt DC	 N Female RF connectors

Transfor

Solder Pin DC control

Applications

600 Watt Power

· Failsafe Actuator

- High Performance Relay Switch Military Communications
- · Communications Systems
- Test & Measurement

Description

The PE71S6403 is a Transfer (DPDT) electromechanical relay switch that operates across a wide frequency range of DC to 12 GHz and can handle up to 600 Watts of CW input power in a break before make condition. The design features a Failsafe actuator and is rated for 2M life cycles for high reliability operation. Insertion loss is specified as low as 0.2 dB maximum and Isolation up to 80 dB minimum. The Failsafe actuator has a +28 Vdc bias voltage, and operates over a temperature range of -25°C to +70°C. The rugged and compact package assembly supports N Female connectors and Solder Pins for DC control. And for highly reliable operation, the model is guranteed to meet MIL-STD-202 environmental test conditions for shock and random vibration.

Electrical Specifications

Switch Type

Actuator Type Switching Sequence				
Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
Operating Voltage	26	28	30	Volts
Actuating Current @ 28 Volts		90		mA
VSWR			1.7:1	
Insertion Loss			0.7	dB
Isolation	60	80		dB
Input Power (CW)			200	Watts
Switching Time			20	ms Max

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 GHz, up to 600W, 28V, N PE71S6403

ISO 9001 : 2008 Registered

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Description	F1	F2	F3	F4	F5	Units	
Frequency Range	DC to 2	2 to 4	4 to 8	8 to 12		GHz	
VSWR, Max	1.2:1	1.4:1	1.5:1	1.7:1			
Insertion Loss, Max	0.2	0.4	0.5	0.7		dB	
Isolation, Min	80	80	70	60		dB	
Input Power, Typ (CW)	600	300	230	200		Watts	
hanical Specification Size	ns						
Package Type				Connectorized			
Operating Life			2	2,000,000 Cycles			
Connectors RF Connector Type Control Connector				N Female Solder Pin			
rironmental Specifica Temperature Operating Range Storage Range	itions			25 to +70 deg C 55 to +100 deg			
npliance Certificatior	1S (see produc	t page for cu	rrent docume	nt)			
tted and Other Data Notes:							

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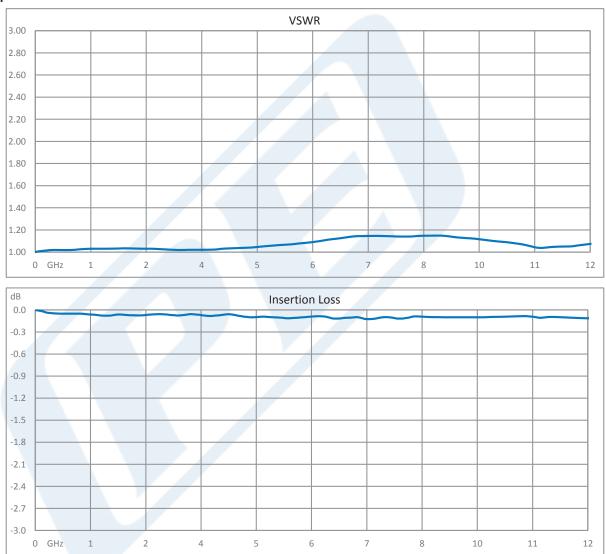
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Typical Performance Data

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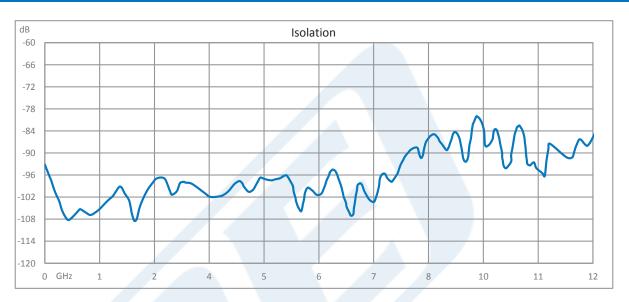
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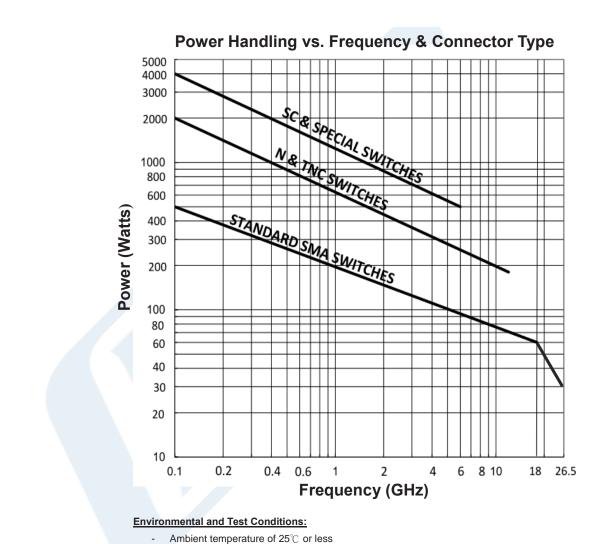






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- Altitude: Sea Level
- Load VSWR: 1.20:1 max.
- Cold Switching

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Transfer Electromechanical Relay Failsafe Switch, DC to 12 GHz, up to 600W, 28V, N from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: Transfer Electromechanical Relay Failsafe Switch, DC to 12 GHz, up to 600W, 28V, N PE71S6403

URL: https://www.pasternack.com/transfer-electromechanical-relay-failsafe-switch-12-ghz-200w-28v-n-pe71s6403-p.aspx

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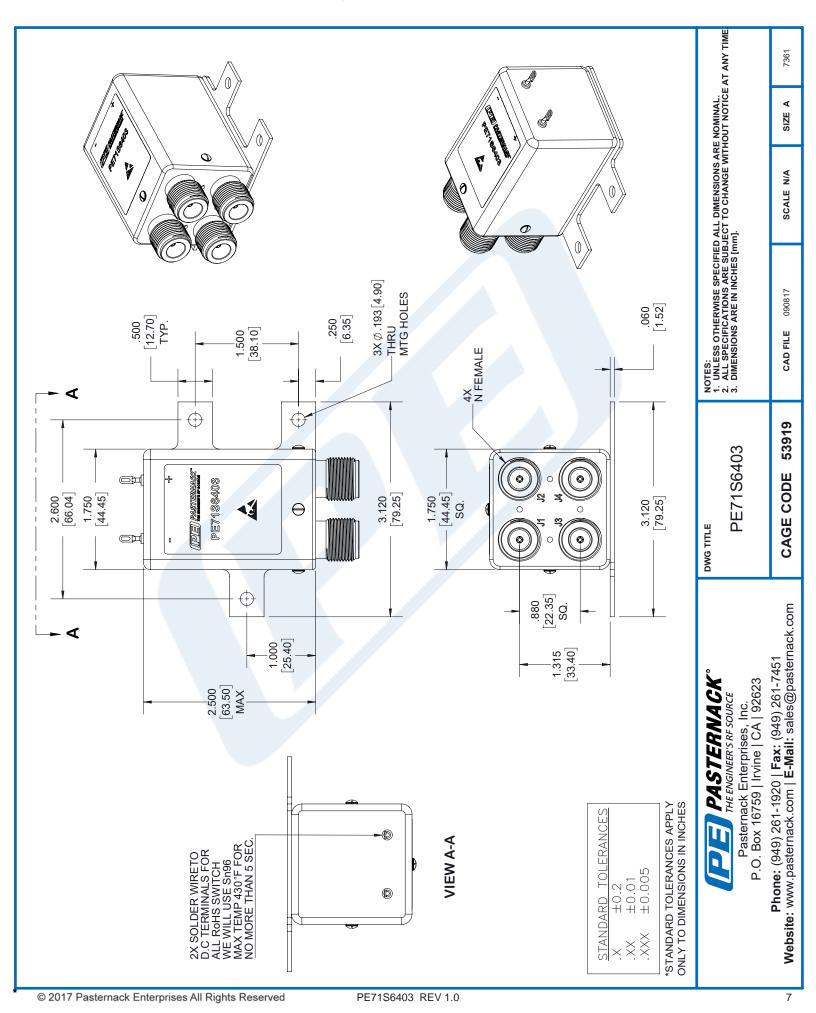
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PE71S6403 CAD Drawing Transfer Electromechanical Relay Failsafe Switch, DC to 12 GHz, up to 600W, 28V, N



PE71S6403 CAD Drawing Transfer Electromechanical Relay Failsafe Switch, DC to 12 GHz, up to 600W, 28V, N

