



Electromechanical Relay Switches Technical Data Sheet

PE71S6390

Features

- Tranfer (DPDT)
- DC to 12 GHz Frequency Range
- Isolation greater than 70 dB typical
- 5M Cycle Min Operating Life
- +12 Volt DC
- 90 Watt average Power
- Latching Actuator

Applications

- High Performance Relay Switch
- Military Communications

- -25 to +70°C Operating Temperature
- Insertion Loss as low as 0.2 dB Max
- VSWR as low as 1.2:1 max
- SMA Female RF connectors
- 9 Pin D-Sub Connector for DC Control
- Hot Switching Capability Consult Factory
- S-Parameter Data available upon request
- Communications Systems
- Test & Measurement

Description

The PE71S6390 is a Transfer (DPDT) electromechanical relay switch that operates across a wide frequency range of DC to 12 GHz and can handle up to 90 Watts of CW input power in a break before make condition. The design features a Latching actuator and is rated for 5M life cycles for high reliability operation. Impressive performance includes insertion loss less than 0.2 dB typical and isolation greater than 70 dB typical. The Latching actuator has a +12 Vdc bias voltage, and operates over a temperature range of -25°C to +70°C. The rugged and compact package assembly supports SMA Female connectors and a 9 Pin D-Sub Connector 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	Transfer Latching Break before Make					
Description	Minimum	Typical	Maximum	Units		
Frequency Range	DC		12	GHz		
Impedance		50		Ohms		
Operating Voltage	11	12	13	Volts		
Actuating Current @ 12 Volts		200		mA		
VSWR		1.2:1	1.4:1			
Insertion Loss		0.2	0.3	dB		
Isolation	60	70		dB		
Input Power (CW)			75	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 Latching Switch, DC to 12 GHz, up to 90W, 12V, SMA PE71S6390

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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Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 12				GHz
VSWR, Max	1.2:1	1.3:1				
Insertion Loss, Max	0.2	0.3				dB
Isolation, Min	70	60				dB
Input Power, Typ (CW)	90	75				Watts
hanical Specification Size	าร					
Package Type			С	onnectorized		
Operating Life			5	,000,000 Cycle	es	
Connectors RF Connector Type Control Connector				MA Female Pin D-Sub		
ironmental Specifica Temperature Operating Range Storage Range	tions			25 to +70 deg (55 to +100 deg		
Shock			N	IIL-STD-202 M	ethod 213, Co	nd. D 500G Non C
Vibration			in N	g		nd. D 10G RMS N
npliance Certificatior	is (see produc	ct page for cur	rent docume	nt)		
ted and Other Data Notes:						

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VSWR 3.00 2.80 2.60 2.40 2.20 2.00 1.80 1.60 1.40 1.20 1.00 7 0 GHz 2 5 6 8 10 1 4 11 12 dB Insertion Loss 0.00 -0.30 -0.60 -0.90 -1.20 -1.50 1.80 -2.10 -2.40 -2.70 3.00 0.00GHz 1.20 2.40 3.60 4.80 6.00 7.20 8.40 9.60 10.80 12.00

Typical Performance Data

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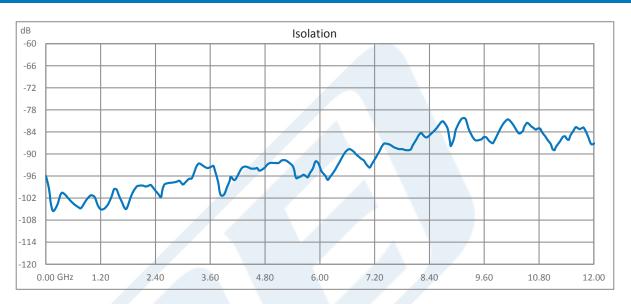
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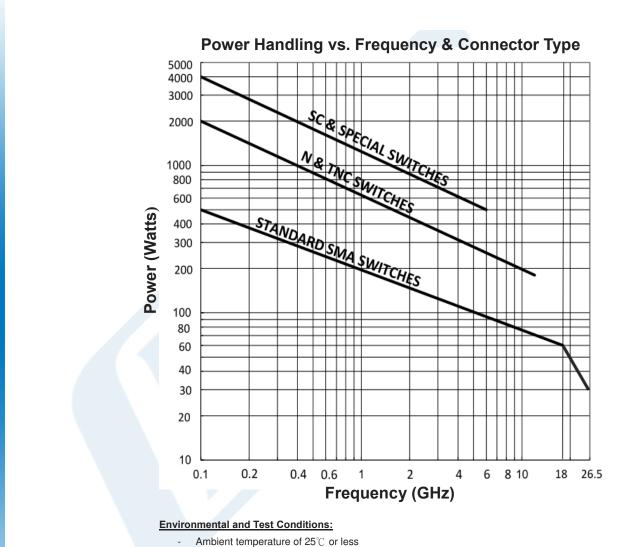
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- Altitude: Sea Level
- Load VSWR: 1.20:1 max.
- Cold Switching

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Transfer Electromechanical Relay Latching Switch, DC to 12 GHz, up to 90W, 12V, SMA 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.

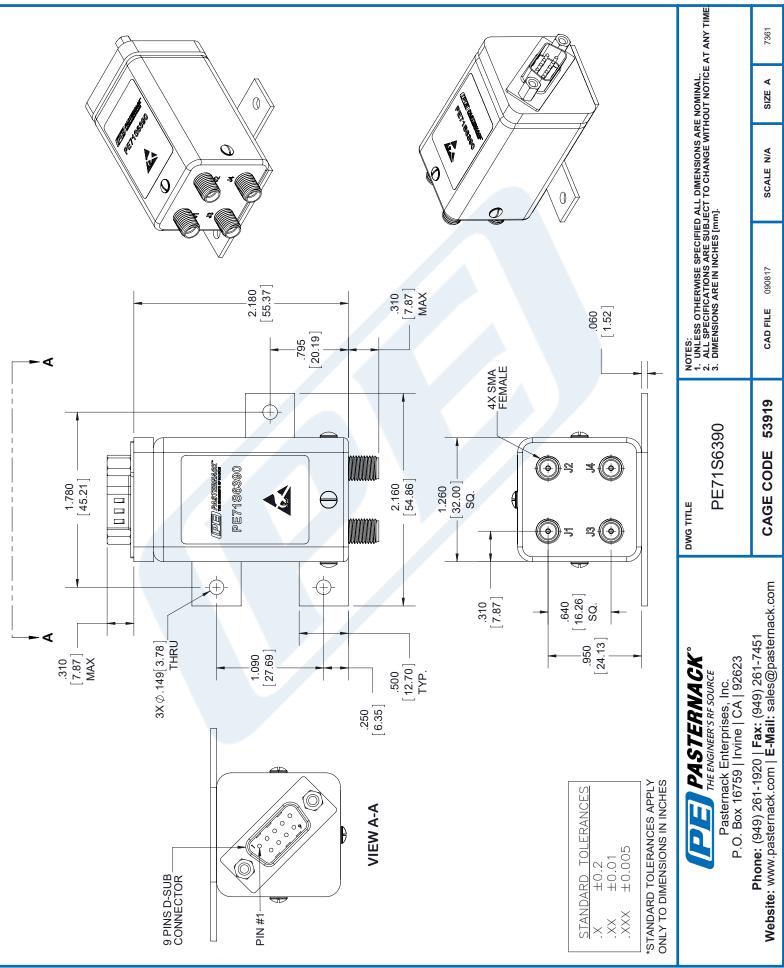
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URL: https://www.pasternack.com/transfer-electromechanical-relay-latching-switch-12-ghz-75w-12v-sma-pe71s6390-p.aspx

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PE71S6390 CAD Drawing Transfer Electromechanical Relay Latching Switch, DC to 12 GHz, up to 90W, 12V, SMA



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