



Electromechanical Relay Switches Technical Data Sheet

PE71S6165

Features Single Pole Double Throw Rela DC to 12.4 GHz Frequency Ra 1M Cycle Min Operating Life Latching Actuator Self Cut Off, TTL Logic Driver, pression Diodes 	nge Isolation 160 Watt Switching	Loss 0.6 dB max 60 dB min s Avg Power Max g Sequence Break Before Make
Applications		
Test & Measurement	Communications System	Instrumentation

Description

The PE71S6165 is a Single Pole Double Throw Electromechanical Relay Switch that operates from DC to 12.4 GHz and has a rating of 160 Watts input power (CW) in a Break Before Make condition. The design features a Latching Actuator with Self Cut Off circuitry, TTL Logic Driver, Position Indicators, Suppression Diodes and is rated for 1M Life Cycles for high reliability operation. Insertion loss is specified from 0.2 dB max and Isolation from 80 dB min, with +28 Vdc operating voltage and performance is guaranteed over -55°C to +85°C. The package interface uses solder terminals and N Female connectors.

Electrical Specifications

Switch Type Actuator Type Switching Sequence Actuator Options TTL Control SPDT, Reflective Latching Break Before Make Indicators, TTL Logic, Diodes, Self Cut Off on: 2.4 to 5 Volts off: 0 to 0.8 Volts

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Impedance		50		Ohms
Operating Voltage		28		Volts
Actuating Current @ 28 Volts		120		mA
VSWR			1.6:1	
Insertion Loss			0.6	dB
Isolation	60			dB
Input Power (CW)			160	Watts
(at 12.4 GHz)				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SPDT Electromechanical Relay Latching Switch DC to 12.4 GHz, N, 160 Watts, 28V Control, Indicators, TTL, Diodes, Self Cut Off PE71S6165

ISO 9001 : 2008 Registered

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	F 3	F4	F5	Units			
Frequency Range	DC to 2	2 to 4	4 to 12.4			GHz			
VSWR, Max	1.15:1	1.2:1	1.6:1						
Insertion Loss, Max	0.2	0.25	0.6			dB			
Isolation, Min	80	80	60			dB			
chanical Specifications	5								
Length			2.2	2 in [55.88 mr	n]				
Width/Diameter				46 in [62.48 n					
Height			0.9) in [22.86 mr	n]				
Weight				53 lbs [240.4	g]				
Body Material and Plating				uminum					
Package Type				onnectorized					
Operating Life				000,000 Cycle	es				
Switching Time			20	ms Max					
Connectors									
RF Connector Type				Female					
RF Connector Contact Ma			Be	ryllium Copp	er, Gold				
RF Connector Body Mater Control Connector	rial and Platir	ng		ssivated Stai	niess Steel				
Control Connector			30						
vironmental Specificati	ions								
Temperature									
Operating Range				5 to +85 deg					
ESD Sensitivity	J Sensitivity				ESD Sensitive Material. Transport material in Appro ESD bags. Handle in approved ESD Workstation.				
•				D bays. Hall					
Δ									
Environmental Specification	on Notes:								
Designed to meet MIL-DT									

Plotted and Other Data

Notes:

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Typical Performance Data

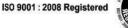
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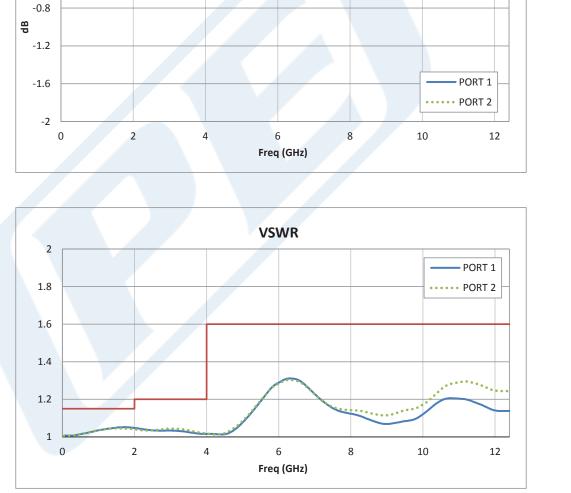
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Insertion Loss

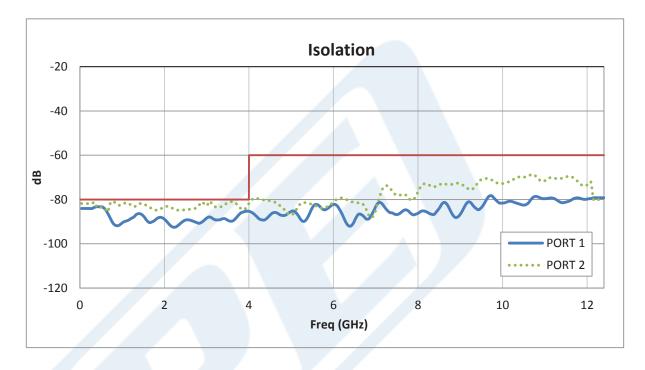






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SPDT Electromechanical Relay Latching Switch DC to 12.4 GHz, N, 160 Watts, 28V Control, Indicators, TTL, Diodes, Self Cut Off from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter 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/n-spdt-electromechanical-relay-switch-12.4-ghz-indicators-latching-ttl-logic-pe71s6165-p. aspx

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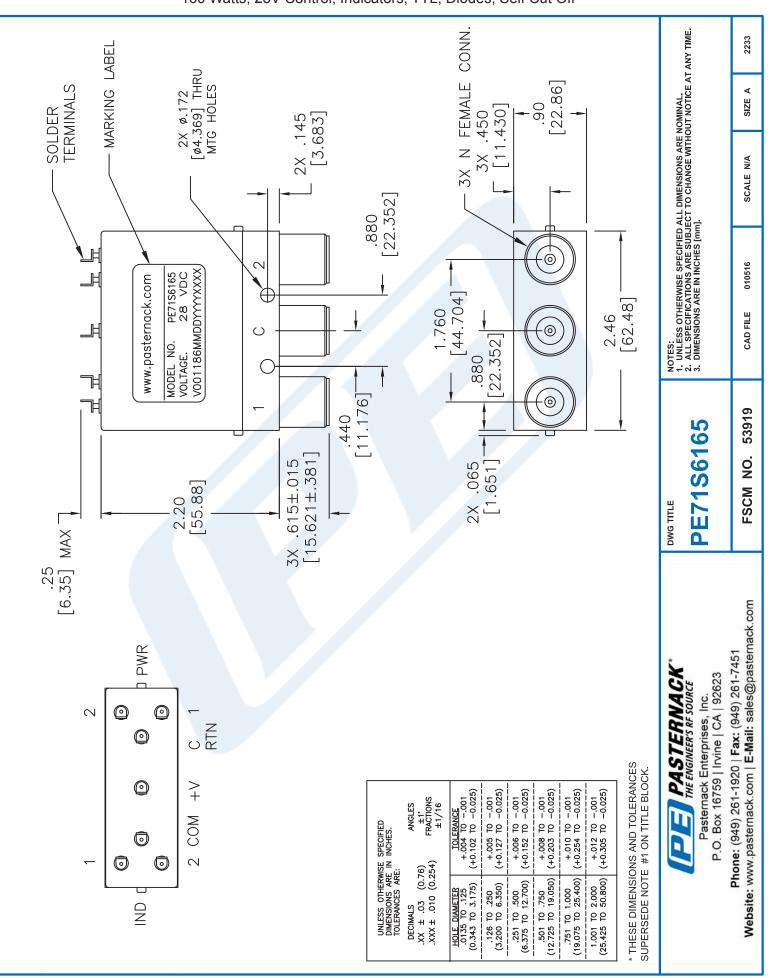
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PE71S6165 CAD Drawing

SPDT Electromechanical Relay Latching Switch DC to 12.4 GHz, N, 160 Watts, 28V Control, Indicators, TTL, Diodes, Self Cut Off



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