



SPDT Electromechanical Relay Failsafe Switch, Terminated, DC to 22 GHz, 20W, 28V TTL, Indicators, SMA

Electromechanical Relay Switches Technical Data Sheet

PE71S6296

Features

- Single Pole Double Throw Terminated Relay Switch
- DC to 22 GHz Frequency Range
- 1M Cycle Min Operating Life
- Failsafe Actuator
- TTL Logic

Applications

- Test & Measurement
- Communications System

- IndicatorsInsertion Loss 0.6 dB max
- Isolation 55 dB min
- 20 Watts Avg Power Max
- Switching Sequence Break Before Make
- Instrumentation
- Military Communications

Description

The PE71S6296 is a Single Pole Double Throw (SPDT) Terminated Electromechanical Relay Switch that operates from DC to 22 GHz and has a rating of 20 Watts input power (CW) in a Break Before Make condition. The output port is terminated in 50 ohms when switched in the isolation (off) state. The design features TTL Logic control Failsafe Actuator with Indicators and Internal Terminations. It 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 at 3 GHz, with +28 Vdc operating voltage. Performance is guaranteed over -35°C to +85°C and the switch assembly is RoHS compliant. The package interface uses solder terminals and SMA Female connectors.

Electrical Specifications

Switch Type Actuator Type Switching Sequence Actuator Options TTL Control SPDT, Terminated Failsafe Break Before Make TTL Logic, Indicators on: 3.5 to 5.5 Volts off: 0 to 0.8 Volts

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		22	GHz
Impedance		50		Ohms
Operating Voltage		28		Volts
Actuating Current @ 28 Volts			190	mA
Insertion Loss			0.6	dB
Input Power (CW)			20	Watts
Termination Input Power (CW)			5	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: SPDT Electromechanical Relay Failsafe Switch, Terminated, DC to 22 GHz, 20W, 28V TTL, Indicators, SMA PE71S6296

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com

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Description	F1	F2	F 3	F4	F5	Units		
Frequency Range	DC to 3	3 to 8	8 to 12.4	12.4 to 18	18 to 22	GHz		
VSWR, Max	1.2:1	1.3:1	1.4:1	1.5:1	1.7:1			
Insertion Loss, Max	0.2	0.3	0.4	0.5	0.6	dB		
Isolation, Min	80	70	60	60	55	dB		
hanical Specificatic Size	ons							
Weight Body Material and Plating Package Type		A	0.181 lbs [82.1 g] Aluminum, Nickel Connectorized					
Operating Life			1,	1,000,000 Cycles				
Connectors RF Connector Type RF Connector Contact Material and Plating RF Connector Body Material and Plating Control Connector			B	SMA Female Beryllium Copper, Gold Passivated Stainless Steel Solder Pin				
ironmental Specific Temperature Operating Range	ations		-3	5 to +85 deg 0	C			
npliance Certificatio	ns (see produc	ct page for cu						

Notes:

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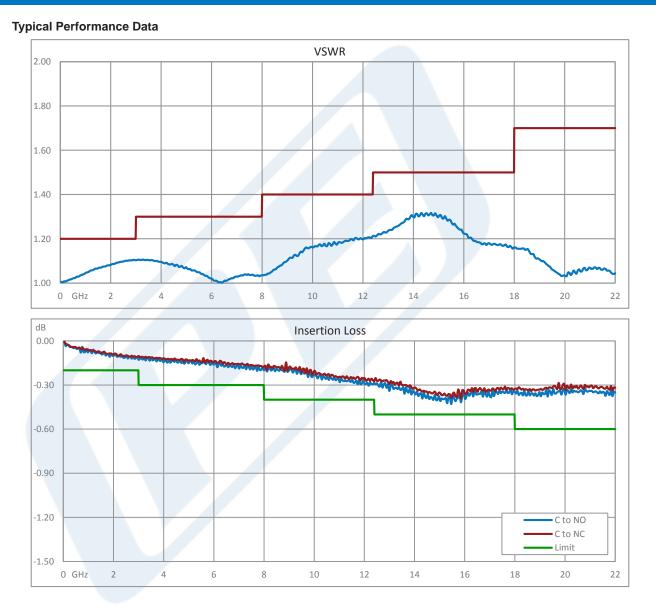




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dB Isolation 0 -20 -40 -60 -80 C to NO 100 C to NC Limit 120 0 GHz 2 4 6 8 10 12 14 16 18 20 22

Electromechanical Relay Switches Technical Data

SPDT Electromechanical Relay Failsafe Switch, Terminated, DC to 22 GHz, 20W, 28V TTL, Indicators, 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/sma-spdt-electromechanical-relay-failsafe-switch-ttl-indicators-terminated-pe71s6296-p. aspx

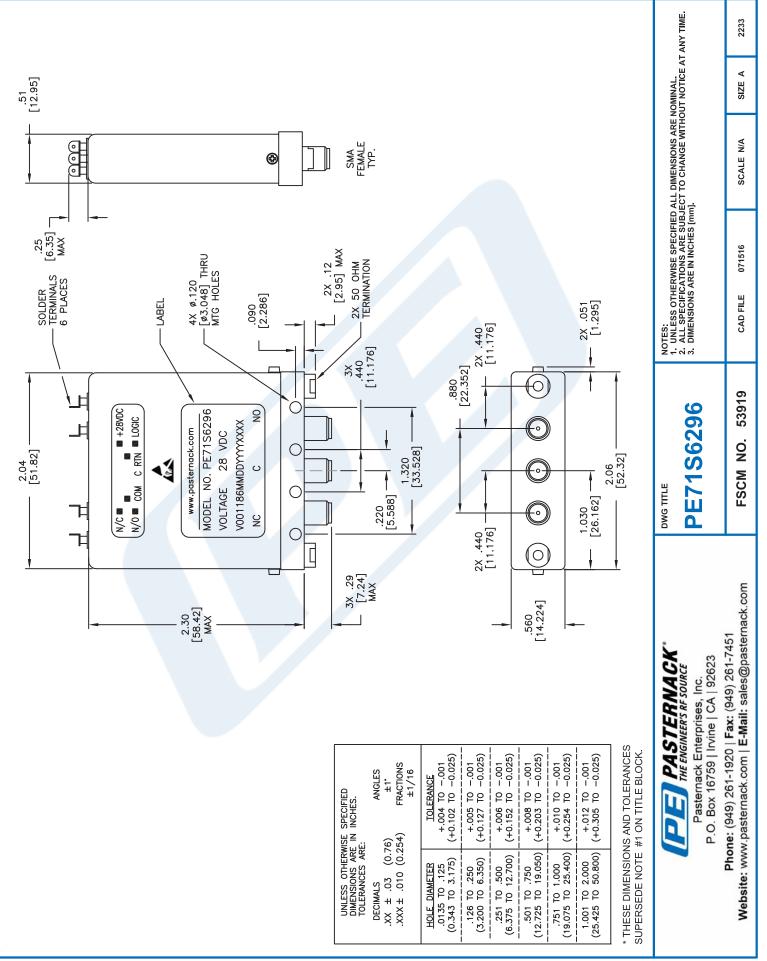
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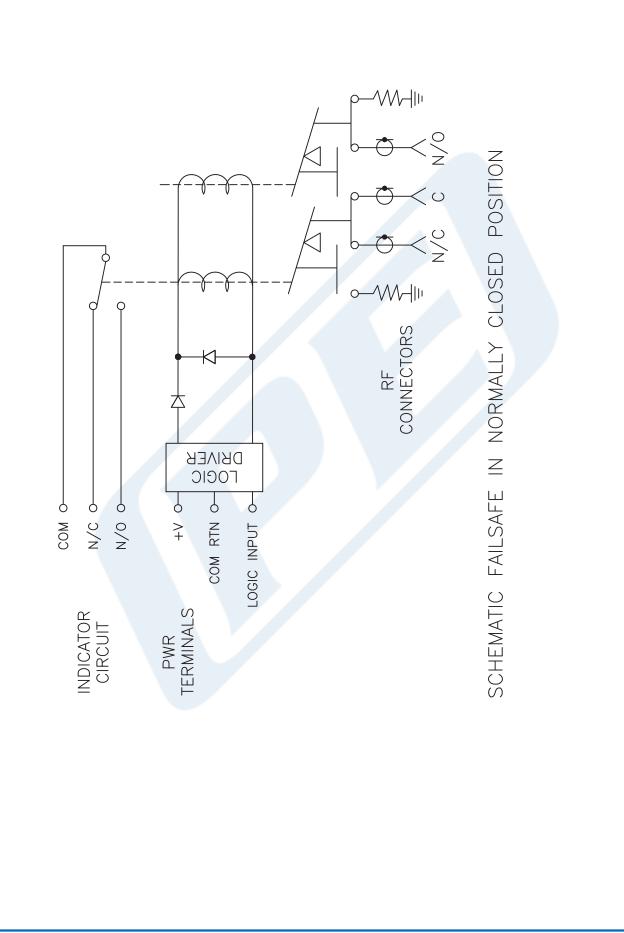
PE71S6296 CAD Drawing SPDT Electromechanical Relay Failsafe Switch, Terminated,

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PE71S6296 CAD Drawing

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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].

2233

SIZE A

SCALE N/A

071516

CAD FILE

53919

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FSCM

PE71S6296

DWG TITLE

PASTERNACK

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THE ENGINEER'S RF SOURCE