



SP6T Electromechanical Relay Switch DC to 40 GHz, 2.92mm, 10 Watts, 12V Control with Latching, Indicators, TTL

TECHNICAL DATA SHEET

PE71S6148

The PE71S6148 is Single Pole Six Throw Switch that operates from DC to 40 GHz. The switch has a latching actuator, Indicators and 1M life cycles. The switch has an operating voltage of 12 Volts and has TTL Control.

Features

- SP6T Switch
- DC to 40 GHz Operating Frequency Range
- 1 M Cycles min
- Latching Switch
- Indicators
- TTL Control
- Set Reset Circuitry
- Switching Sequence Break Before Make

Applications

- Test & Measurement
- Communications System
- Instrumentation

Electrical Specifications

Frequency Range	DC to 40 GHz
Impedance	50 Ohms
Actuator	Latching, Indicators, TTL Logic
Actuating Current	480 mA
Control Voltage	12 Volts
TTL Control	"1": On, "0": Off, Enable: 5V, Disable: 0V
RF Input Power (Max CW)	10 Watts

RF Characteristic

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency Range	DC to 6	6 to 12	12 to 18	18 to 26.5	26.5 to 40	GHz
VSWR, Max	1.3:1	1.4:1	1.5:1	1.7:1	2:1	
Insertion Loss, Max	0.2	0.4	0.5	0.7	0.9	dB
Isolation, Min	70	60	60	55	50	dB

Mechanical Specifications

Connector Type	2.92mm Female
Operating Life	1,000,000
Terminals	Solder Pins
Switching Time (nominal voltage, 25°C)	<15 ms Typ
Switching Time (nominal voltage, 25°C)	15 ms Max

Environmental Specifications

Temperature	
Operating Range	-35 to +85 deg C
Environment	MIL-DTL-3928
Housing Material and Plating	Aluminum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SP6T Electromechanical Relay Switch DC to 40 GHz, 2.92mm, 10 Watts, 12V Control with Latching, Indicators, TTL PE71S6148](#)



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Compliance Certifications (visit www.Pasternack.com for current document)
Not RoHS Compliant

Plotted and Other Data

Notes:

- Values at +25 °C, sea level
- ESD Sensitive Material, Transport material in Approved ESD bags. Handle only in approved ESD Workstation



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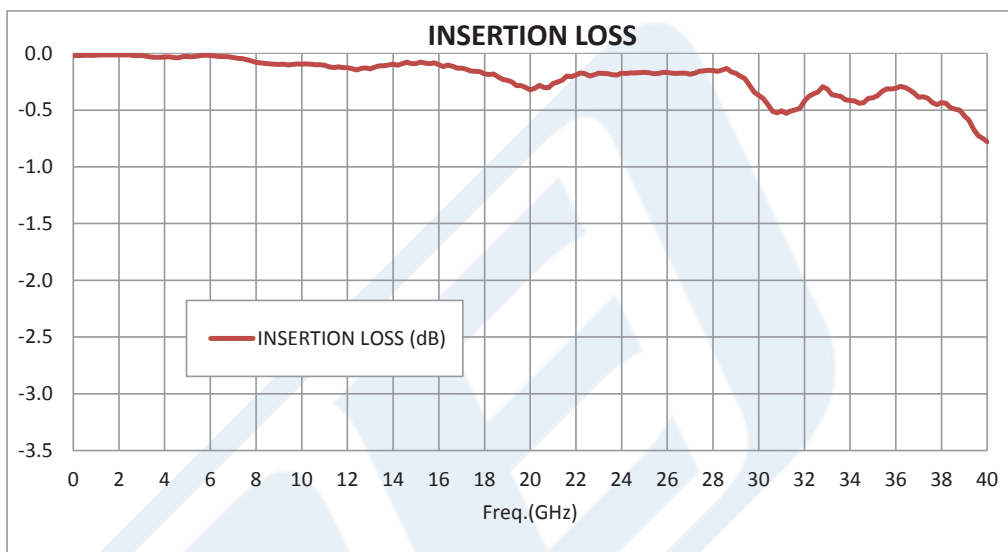
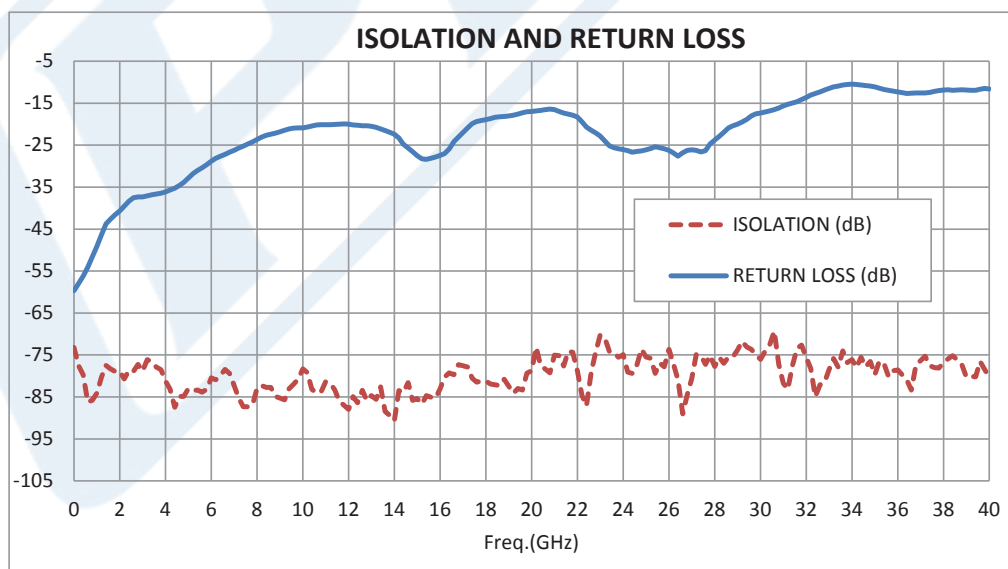


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Typical Performance Data



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SP6T Electromechanical Relay Switch DC to 40 GHz, 2.92mm, 10 Watts, 12V Control with Latching, Indicators, TTL 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.

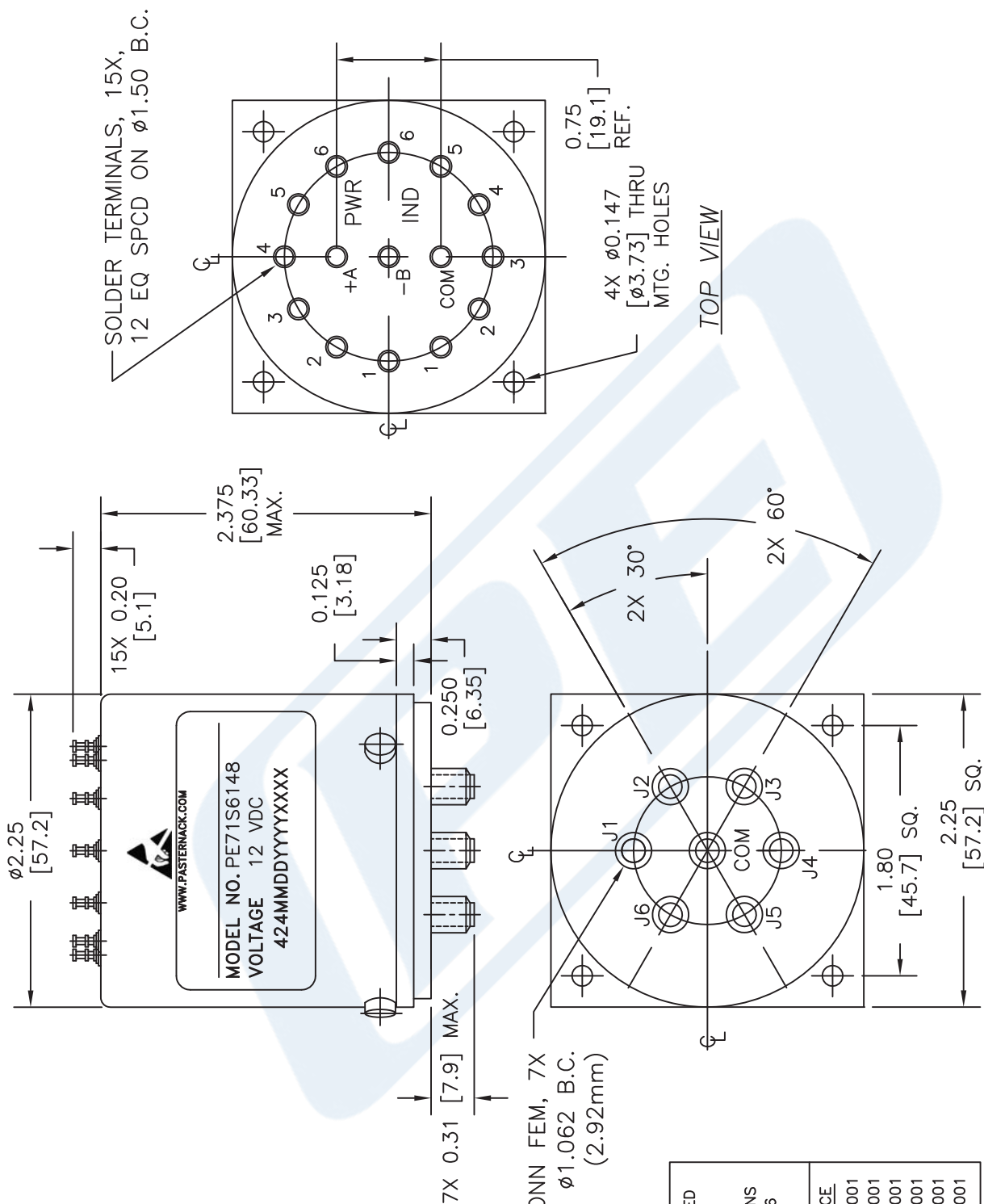
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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"K" CONN FEM, 7X
6 EQ SPCD ON Ø1.062 B.C.
(2.92mm)

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:</p> <p>DECIMALS ANGLES FRACTIONS</p> <p>.XX ±.01 ± 1/2" ± 1/16</p> <p>.XXX ±.005</p>	TOLERANCE	
	HOLE DIAMETER	
	.0135 TO .125	+ .004 / - .001
	.126 TO .250	+ .005 / - .001
	.251 TO .500	+ .006 / - .001
	.501 TO .750	+ .008 / - .001
	.751 TO 1.000	+ .010 / - .001
	1.001 TO 2.000	+ .012 / - .001

* THESE DIMENSIONS AND TOLERANCES
SUPERSEDE NOTE #1 ON TITLE BLOCK.

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).

DWG TITLE

PE71S6148

DWG TITLE

FSCM NO. 53919

CAD FILE **061715**

SCALE N/A

SIZE A

2233

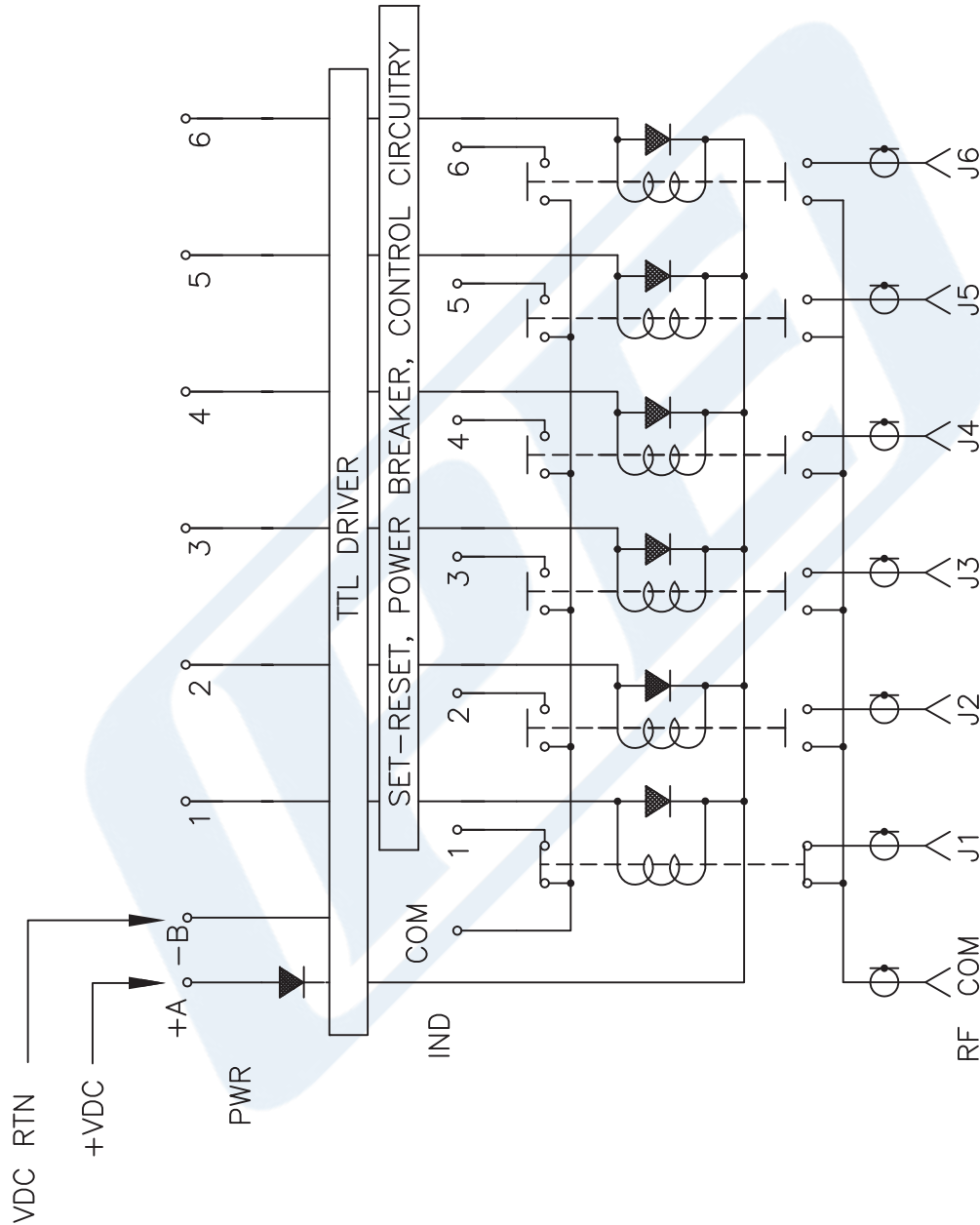
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PE71S6148 CAD Drawing

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SCHEMATIC LATCHING SHOWN IN POSITION 1

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