



SP6T Electromechanical Relay Switch DC to 22 GHz, SMA,
 30 Watts, 28V Control with Normally Open, Indicators

TECHNICAL DATA SHEET PE71S6133

The PE71S6133 is Single Pole Six Throw Switch that operates from DC to 22 GHz. The switch has a normally open actuator, Indicators and 1M life cycles. The switch has an operating voltage of 28 Volts.

Features

- SP6T Switch
- DC to 22 GHz Operating Frequency Range
- 1 M Cycles min
- Normally Open Switch
- Indicators
- Switching Sequence Break Before Make

Applications

- Test & Measurement
- Communications System
- Instrumentation

Electrical Specifications

Frequency Range	DC to 22 GHz
Impedance	50 Ohms
Actuator	Normally Open, Indicators
Actuating Current	135 mA
Control Voltage	28 Volts
RF Input Power (Max CW)	30 Watts

RF Characteristic

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency Range	DC to 4	4 to 8	8 to 12	12 to 18	18 to 22	GHz
VSWR, Max	1.2:1	1.3:1	1.4:1	1.5:1	1.6:1	
Insertion Loss, Max	0.3	0.35	0.4	0.5	0.6	dB
Isolation, Min	75	70	65	60	60	dB

Mechanical Specifications

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

Environmental Specifications

Temperature	
Operating Range	-55 to +85 deg C
Environment	MIL-DTL-3928
Housing Material and Plating	Aluminum

Compliance Certifications (visit www.Pasternack.com for current document)
 RoHS Compliant

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 22 GHz, SMA, 30 Watts, 28V Control with Normally Open, Indicators PE71S6133](#)





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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



SP6T Electromechanical Relay Switch DC to 22 GHz, SMA, 30 Watts, 28V Control with Normally Open, Indicators 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.

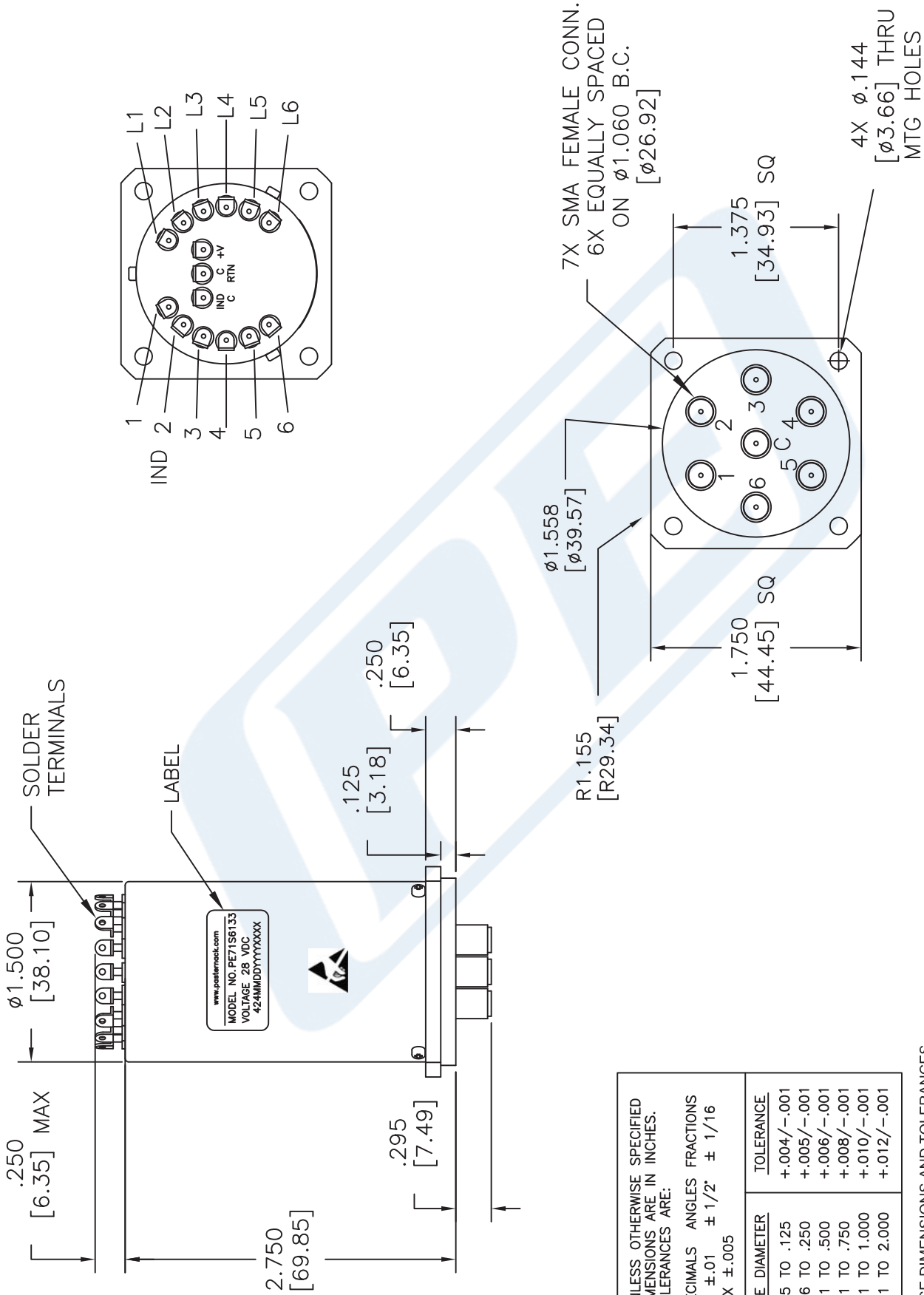
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SP6T Electromechanical Relay Switch DC to 22 GHz, SMA, 30 Watts, 28V Control with Normally Open, Indicators PE71S6133](http://www.pasternack.com/sma-sp6t-electromechanical-relay-switch-22-ghz-normally-open-indicators-pe71s6133-p.aspx)

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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.

PE71S6133 CAD Drawing

SP6T Electromechanical Relay Switch DC to 22 GHz, SMA,
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

DECIMALS ANGLES FRACTIONS
.XX ±.01 ± 1/2° ± 1/16
.XXX ±.005

HOLE DIAMETER	TOLERANCE
.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.

DWG TITLE
PE71S6133

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].

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FSCM NO. 53919

CAD FILE 030515

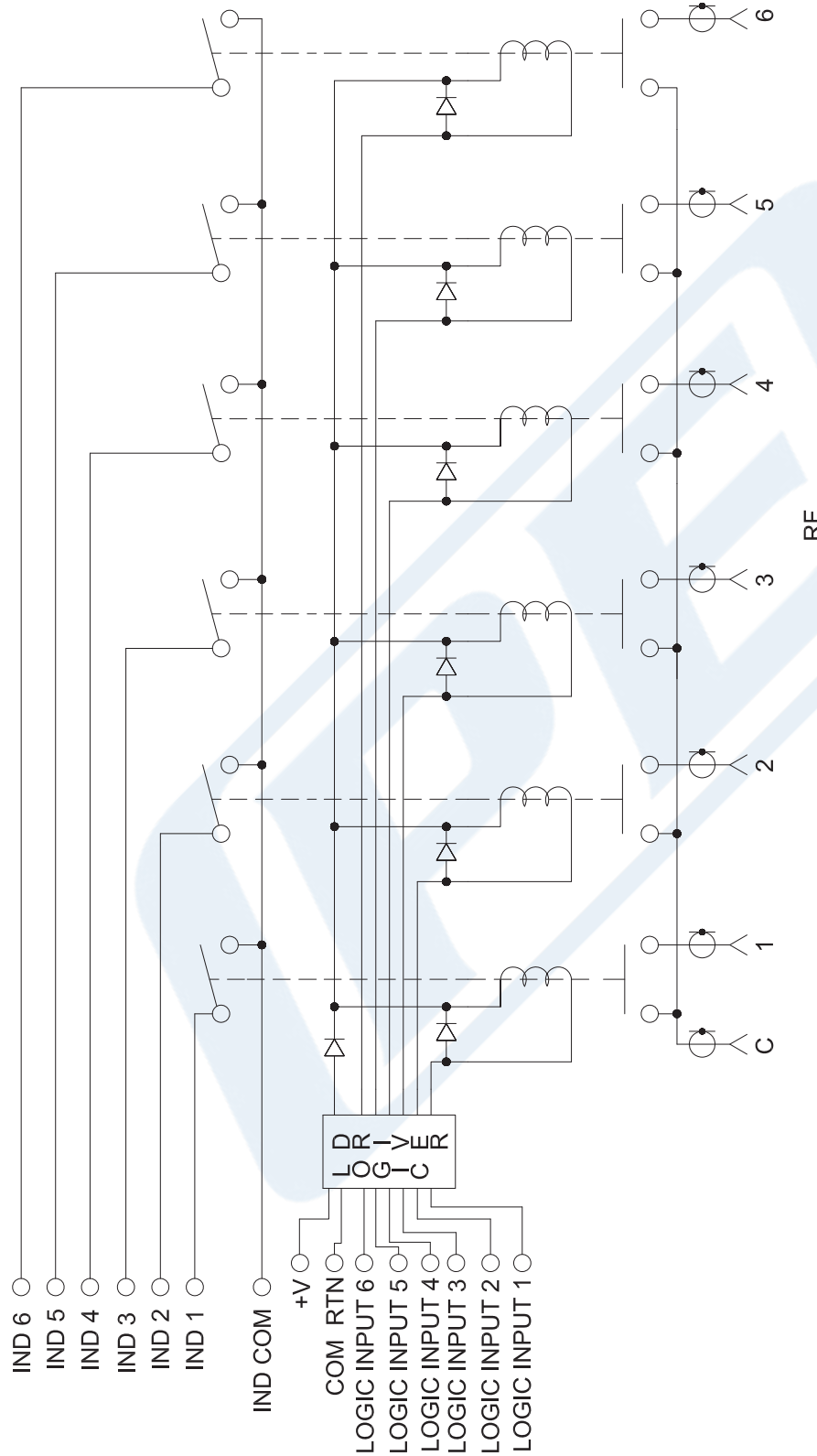
SCALE N/A

SIZE A

2233

PE71S6133 CAD Drawing

SP6T Electromechanical Relay Switch DC to 22 GHz, SMA,
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SCHEMATIC NORMALLY OPEN SHOWN IN DE-ENERGIZED POSITION

DWG TITLE

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