





Transfer Failsafe DC to 40 GHz Electro-Mechanical Relay  
Switch, Up To 10W, 12V, 2M Lifecycles, 2.92mm

## Electromechanical Relay Switches Technical Data

PE71S6432

Switching Time	20	ms Max
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### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 12	12 to 18	18 to 33	33 to 40	GHz
VSWR, Max	1.15:1	1.2:1	1.25:1	2:1	2.5:1	
Insertion Loss, Max	0.15	0.25	0.35	1	1.35	dB
Isolation, Min	70	70	65	50	50	dB

### Mechanical Specifications

#### Size

Body Material and Plating  
Package Type

Aluminum  
Connectorized

Operating Life

2,000,000 Cycles

#### Connectors

RF Connector Type  
Control Connector

2.92mm Female  
Solder Terminals

### Environmental Specifications

#### Temperature

Operating Range  
Storage Range

-25 to +65 deg C  
-55 to +100 deg C

Humidity  
Shock

Moisture Resistance  
MIL-STD-202 Method 213, Cond. D 500G Non Operating

Vibration

MIL-STD-202 Method 204, Cond. D 10G RMS Non Operating

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Transfer Failsafe DC to 40 GHz Electro-Mechanical Relay Switch, Up To 10W, 12V, 2M Lifecycles, 2.92mm PE71S6432](#)

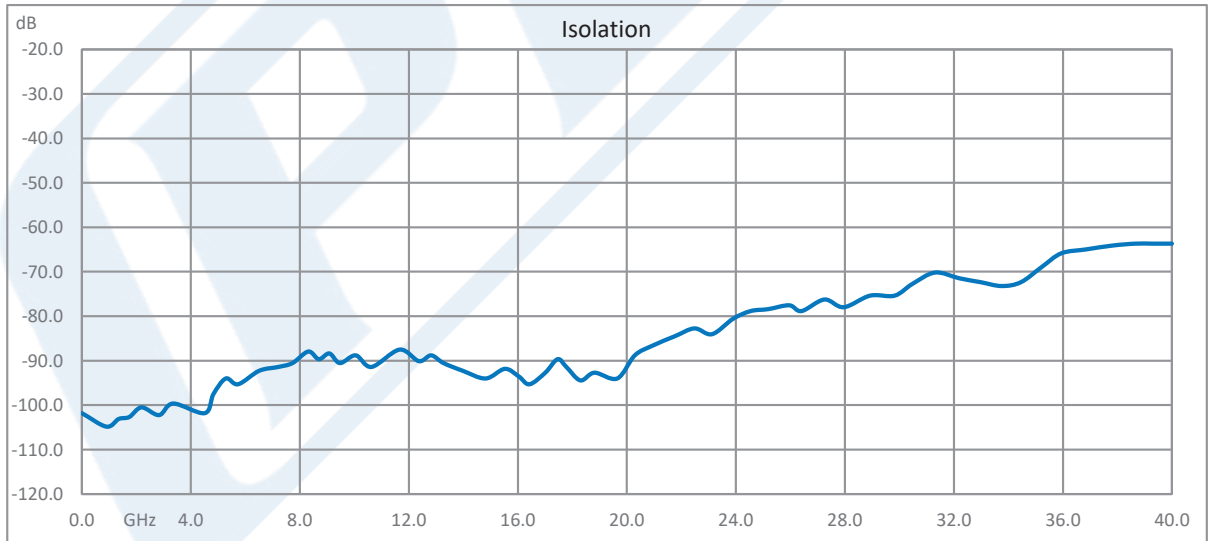
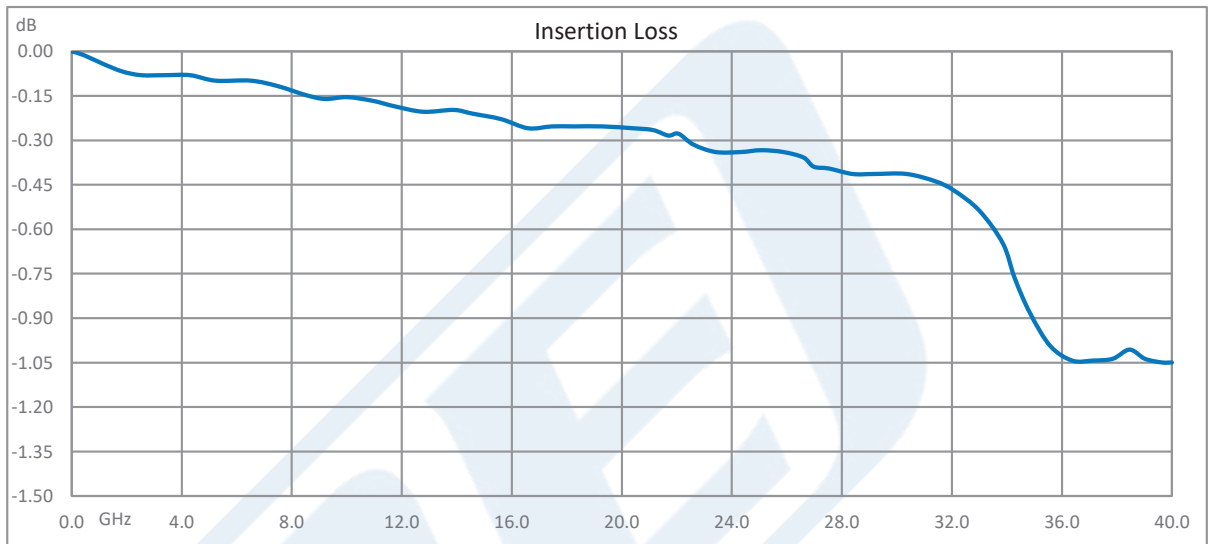


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Typical Performance Data



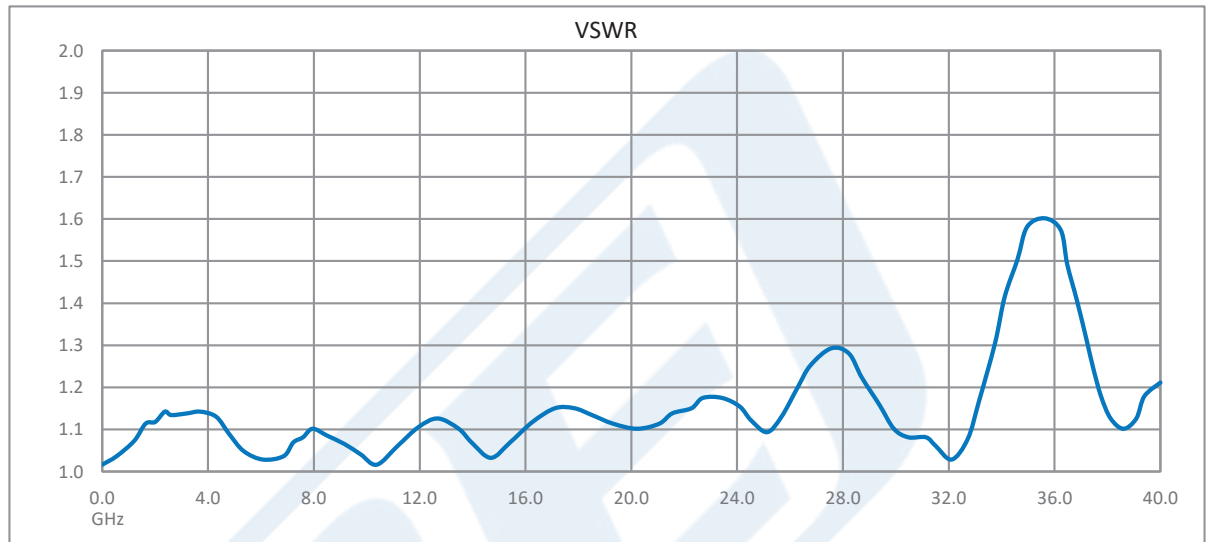
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Transfer Failsafe DC to 40 GHz Electro-Mechanical Relay Switch, Up To 10W, 12V, 2M Lifecycles, 2.92mm from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Transfer Failsafe DC to 40 GHz Electro-Mechanical Relay Switch, Up To 10W, 12V, 2M Lifecycles, 2.92mm PE71S6432](https://www.pasternack.com/transfer-electromechanical-relay-failsafe-switch-40-ghz-90w-12v-2.92mm-pe71s6432-p.aspx)

URL: <https://www.pasternack.com/transfer-electromechanical-relay-failsafe-switch-40-ghz-90w-12v-2.92mm-pe71s6432-p.aspx>

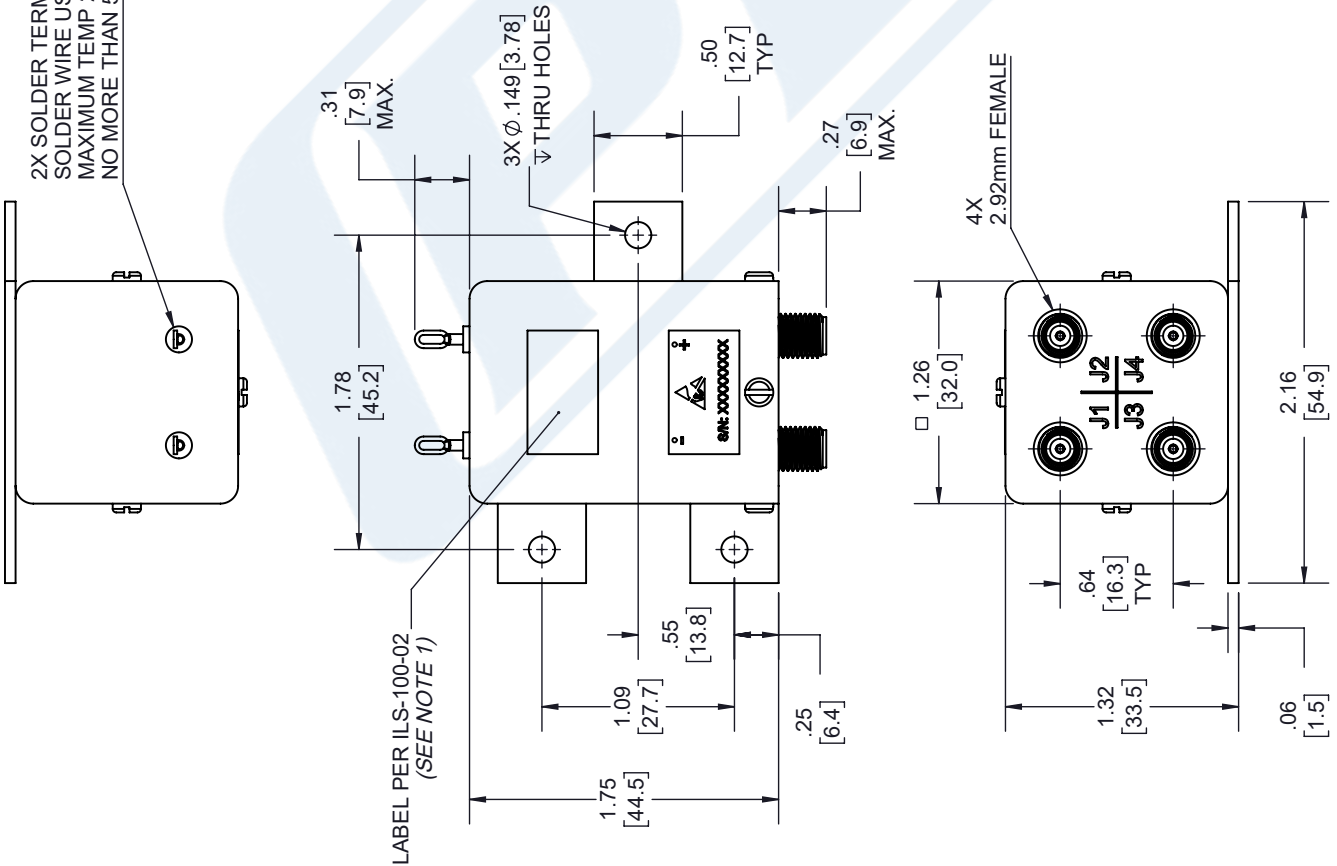
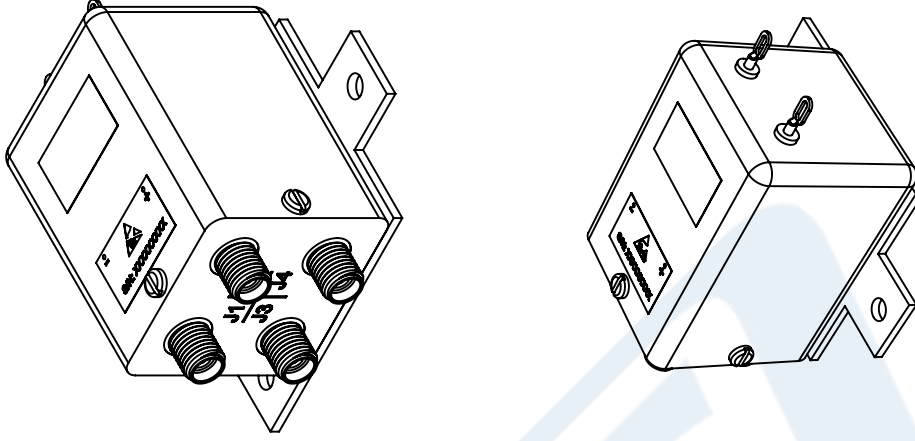
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# PE71S6432 CAD Drawing

Transfer Failsafe DC to 40 GHz Electro-Mechanical Relay  
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REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/13/2020	T.GALLA

2X SOLDER TERMINALS,  
SOLDER WIRE USING SN96,  
MAXIMUM TEMP 250 °C FOR  
NO MORE THAN 5 SEC.



NOTES:  
1. LABEL PER ILS-100-02. FOR INTERNAL REFERENCE ONLY.  
LABEL LOCATION FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X = ±.2 [5.08]  
 .XX = ±.02 [ .51]  
 .XXX = ±.005 [ .13]  
 CABLE LENGTH (L), TOLERANCES:  
 L ≤ 12 [305] = +1 [25] / -0  
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
 300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 2

SCALE N/A

REV A

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an INFINITE brand

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ITEM NO. PE71S6432

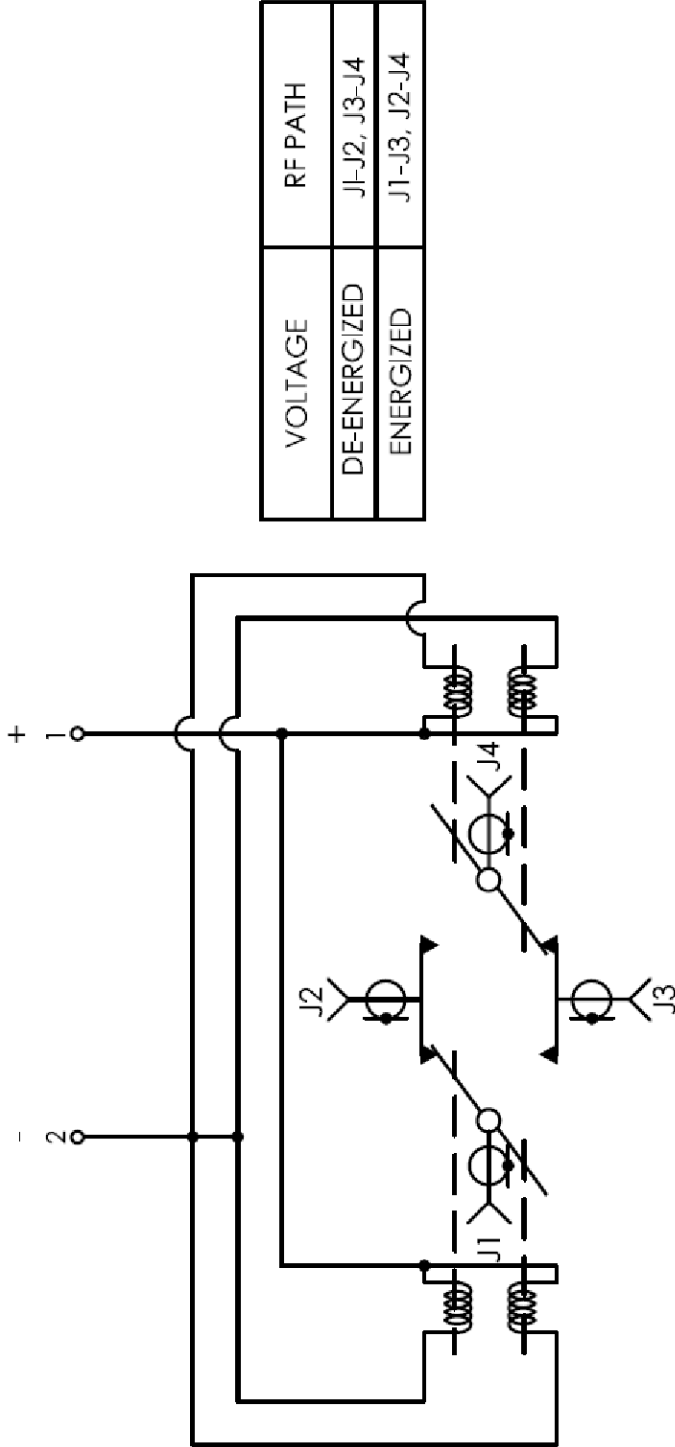
SIZE A

CAGE CODE 53919

DRAWN BY K.DANG

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VOLTAGE	RF PATH
DE-ENERGIZED	J1-J2, J3-J4
ENERGIZED	J1-J3, J2-J4

## SCHEMATIC

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X = ±.2 [ .008]    FRACTIONS ± 1/32  
 .XX = ±.02 [ .51]    ANGLES ± 1°  
 .XXX = ±.005 [ .13]  
 CABLE LENGTH (L), TOLERANCES:  
 L ≤ 12 [305] = +1 [25] / -0  
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 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
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ITEM NO. PE71S6432  
 DRAWN BY K.DANG  
 CAGE CODE 53919  
 SIZE A

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