



50 Ohm N Circulator Operating From 450 MHz to  
520 MHz And 150 Watts With 20 dB Isolation

TECHNICAL DATA SHEET

PE8431

**Configuration**

Connector 1	N Female
Connector 2	N Female
Frequency Range	450 MHz to 520 MHz
Design	Circulator

**Electrical Specifications** (Values at 25°C, sea level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	450		520	MHz
Impedance		50		Ohms
Insertion Loss			0.5	dB
Forward Power			150	Watts
Reverse Power			70	Watts
Input VSWR			1.25:1	
Isolation	20			dB

**Mechanical Specifications**

**Temperature**

Operating Range	-30 to 70 deg C
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**Size**

Length	4.4 in [111.76 mm]
Width	3.7 in [93.98 mm]
Height	1.2 in [30.48 mm]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm N Circulator Operating From 450 MHz to 520 MHz And 150 Watts With 20 dB Isolation PE8431](#)

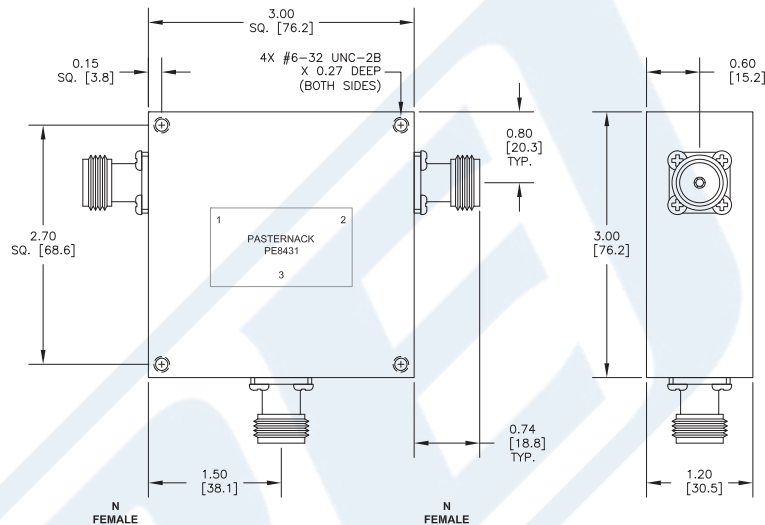


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Outline Drawing



50 Ohm N Circulator Operating From 450 MHz to 520 MHz And 150 Watts With 20 dB Isolation 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: [50 Ohm N Circulator Operating From 450 MHz to 520 MHz And 150 Watts With 20 dB Isolation PE8431](http://www.pasternack.com/50-ohm-n-circulator-450-520-mhz-150-watts-20-db-pe8431-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.