

## DC Block on Inner Conductor 50 Ohm 2.92mm Male to 2.92mm Female Operating From 10 MHz to 40 GHz



### PE8225A

#### Features

- Inner DC Blocks
- 2.92mm Connectorized Configuration
- 10 GHz to 40 GHz Frequency Range
- 50 Ohm Impedance
- Max VSWR of 1.35:1

#### Applications

- Test and Measurement
- Ground Loop Elimination
- Signal to Noise Ratio (SNR) Improvement

#### Description

Pasternack's PE8225A is an inner DC block with 2.92mm connectors. It has a blocking capacitor on the inner conductor and operates from 10 MHz to 40 GHz. Our 2.92mm DC block offers good insertion loss of 1 dB and has a maximum operating voltage of 200 Vdc. DC blocks are commonly used to filter out unwanted DC signals, while allowing AC drive signals to pass through. They can help improve signal to noise ratio (SNR), eliminate ground loops, or provide isolation in your test setup. All of Pasternack's DC blocks are in stock and available to ship same-day.

#### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	0.01		40	GHz
Impedance		50		Ohms
VSWR			1.35:1	
Insertion Loss			1	dB
Operating Voltage (DC)			200	Volts

#### Mechanical Specifications

##### Size

Length	0.84 in [21.34 mm]
Width	0.32 in [8.13 mm]
Height	0.32 in [8.13 mm]
Weight	0.01 lbs [4.54 g]
Housing Material and Plating	Passivated Stainless Steel

##### Configuration

Design	Inner DC Block
--------	----------------

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Female
Inner Cond Material & Plating	Beryllium Copper, Gold over Nickel over Copper	Beryllium Copper, Gold over Nickel over Copper
Dielectric Type	PEI	PPO
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel

DC Block on Inner Conductor 50 Ohm 2.92mm Male to  
2.92mm Female Operating From 10 MHz to 40 GHz



## PE8225A

---

### Environmental Specifications

**Temperature**

Operating Range

-40 to +85 deg C

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

### Plotted and Other Data

Notes:

### Typical Performance Data

DC Block on Inner Conductor 50 Ohm 2.92mm Male to 2.92mm Female Operating From 10 MHz to 40 GHz 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: [DC Block on Inner Conductor 50 Ohm 2.92mm Male to 2.92mm Female Operating From 10 MHz to 40 GHz PE8225A](#)

URL: <https://www.pasternack.com/50-ohm-2.92mm-inner-dc-block-10-mhz-40-ghz-pe8225a-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE8225A CAD Drawing

DC Block on Inner Conductor 50 Ohm 2.92mm Male to 2.92mm Female Operating From 10 MHz to 40 GHz

