DC Block on Inner Conductor 2.92mm Male to 2.92mm Female Operating From 10 MHz to 26.5 GHz

DC Blocks Technical Data Sheet
PE8222

Features
- Inner DC Block
- Operates from 10 MHz to 26.5 GHz
- Good Insertion Loss of 0.75 dB Max

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

Description
Pasternack’s PE8222 is an inner DC block with 2.92mm connectors. It has a blocking capacitor on the inner conductor and operates from 10 MHz to 26.5 GHz. Our 2.92mm DC block offers good insertion loss of 0.75 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

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>0.01</td>
<td>26.5</td>
<td>GHz</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td></td>
<td>Ohms</td>
<td></td>
</tr>
<tr>
<td>VSWR</td>
<td></td>
<td>1.35:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.75</td>
<td></td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Operating Voltage (DC)</td>
<td>200</td>
<td></td>
<td>Volts</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical Specifications

Size
- Length: 0.855 in [21.72 mm]
- Width: 0.312 in [7.92 mm]
- Weight: 0.012 lbs [5.44 g]
- Housing Material and Plating: Passivated Stainless Steel

Configuration
- Design: Inner DC Block
- Package Type: Connectorized

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 2.92mm Male to 2.92mm Female Operating From 10 MHz to 26.5 GHz PE8222
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<table>
<thead>
<tr>
<th>Description</th>
<th>Connector 1</th>
<th>Connector 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>2.92mm Male</td>
<td>2.92mm Female</td>
</tr>
<tr>
<td>Inner Conductor Material and Plating</td>
<td>Beryllium Copper, Gold</td>
<td>Beryllium Copper, Gold</td>
</tr>
<tr>
<td>Body Material and Plating</td>
<td>Passivated Stainless Steel</td>
<td>Passivated Stainless Steel</td>
</tr>
</tbody>
</table>

Environmental Specifications

Temperature
Operating Range: -35 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

DC Block on Inner Conductor 2.92mm Male to 2.92mm Female Operating From 10 MHz to 26.5 GHz 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.
PE8222 CAD Drawing
DC Block on Inner Conductor 2.92mm Male to 2.92mm Female Operating From 10 MHz to 26.5 GHz