

Inner DC Block, 50 Ohm, 10 MHz to 26.5 GHz with 2.92mm Male to 2.92mm Female Connectors



SD8222A

Features

- Inner DC Blocks
- 2.92mm Connectorized Configuration
- 10 GHz to 26.5 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

Fairview Microwave's SD8222A 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 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 Fairview Microwave's DC blocks are in stock and available to ship same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	0.01		26.5	GHz
Impedance		50		Ohms
VSWR			1.35:1	
Insertion Loss			0.1	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

Inner DC Block, 50 Ohm, 10 MHz to 26.5 GHz with
2.92mm Male to 2.92mm Female Connectors



SD8222A

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

Inner DC Block, 50 Ohm, 10 MHz to 26.5 GHz with 2.92mm Male to 2.92mm Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Inner DC Block, 50 Ohm, 10 MHz to 26.5 GHz with 2.92mm Male to 2.92mm Female Connectors SD8222A](#)

URL: <https://www.fairviewmicrowave.com/inner-dc-block-10-mhz-26.5-ghz-2.92mm-connectors-sd8222a-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

SD8222A CAD Drawing

Inner DC Block, 50 Ohm, 10 MHz to 26.5 GHz with 2.92mm Male to 2.92mm Female Connectors

