

Inner and Outer DC Block, 75 Ohm 100 MHz to 2 GHz with F Male to F Female Connectors



SD8242A

Features

- Inner/Outer DC Blocks
- F-Type Connectorized Configuration
- 100 MHz to 2 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 SD8242A is an inner and outer DC block with F connectors. It has a blocking capacitor on the inner and outer conductor and operates from 100 MHz to 2 GHz. Our F DC block offers good insertion loss of 0.5 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	0.1		2	GHz
Impedance		75		Ohms
VSWR			1.35:1	
Insertion Loss			0.5	dB
Operating Voltage (DC)			200	Volts

Mechanical Specifications

Size

Length	2.03 in [51.56 mm]
Width	0.43 in [10.92 mm]
Height	0.43 in [10.92 mm]
Weight	0.03 lbs [13.61 g]
Housing Material and Plating	Brass, Copper-Tin-Zinc Alloy

Configuration

Design	Inner/Outer DC Block
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Description	Connector 1	Connector 2
Type	F Male	F Female
Inner Cond Material & Plating	Phosphor Bronze, Gold over Nickel over Copper	Brass, Gold over Nickel over Copper
Dielectric Type	Teflon	PE
Body Material & Plating	Brass, Copper-Tin-Zinc Alloy	Brass, Copper-Tin-Zinc Alloy

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Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

Typical Performance Data

Inner and Outer DC Block, 75 Ohm 100 MHz to 2 GHz with F Male to F 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 and Outer DC Block, 75 Ohm 100 MHz to 2 GHz with F Male to F Female Connectors SD8242A](#)

URL: <https://www.fairviewmicrowave.com/inner-and-outer-dc-block-100-mhz-2-ghz-75-ohm-f-connectors-sd8242a-p.aspx>

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SD8242A CAD Drawing

Inner and Outer DC Block, 75 Ohm 100 MHz to 2 GHz with F Male to F Female Connectors

