



50 Ohm 1.0 mm Male to 1.0 mm Female DC Block Inner, 50 kHz to 110 GHz Rated 16 Volt

Fairview Microwave's SD8259 is an inner DC block with 1.0 mm (W1) connectors. It has a blocking capacitor on the inner conductor and operates from 50 kHz to 110 GHz. Our 1.0 mm (W1) DC block offers good insertion loss of 2.5 dB and has a minimum operating voltage of 16 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	T	ур	Max	Units
Frequency Range	50KHz			110	GHz
Impedance		5	50		Ohms
VSWR		1.	4:1		
Insertion Loss				2.5	dB
Operating Voltage (DC)				16	Volts
Group Delay		ç	94		ps
Capacitance		10,	000		pF
Input Power (CW)				1	Watt

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.001 - 26	26 - 65	65 - 110			GHz
VSWR, Max	1.4:1	1.9:1	2.3:1			

Mechanical Specifications

Size

Length 1.18 in [29.97 mm] Width 0.441 in [11.2 mm] 0.441 in [11.2 mm] Height Weight 0.013 lbs [5.9 g]

Configuration

Inner DC Block Design Package Type Connectorized

Description	Connector 1	Connector 2		
Туре	1.0mm Male	1.0mm Female		

Environmental Specifications Temperature

Operating Range -55 to 100 deg C Shock

100g peak sawtooth, method 213, test condition 1



Features:

- Inner DC Blocks
- 1.0 mm (W1) connectorized configuration
- 50 kHz to 110 GHz Frequency Range
- Max Power 1 Watt (CW)
- 50 Ohm Impedance
- Typical VSWR of 1.4:1

Applications:

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

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Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

50 Ohm 1.0 mm Male to 1.0 mm Female DC Block Inner, 50 kHz to 110 GHz Rated 16 Volt from Fairview Microwave is instock 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.

Click the following link to obtain additional part information: 50 Ohm 1.0 mm Male to 1.0 mm Female DC Block Inner, 50 kHz to 110 GHz Rated 16 Volt SD8259

URL: https://www.fairviewmicrowave.com/inner-dc-block-0.05-mhz-110-ghz-1.0mm-connectors-sd8259-p.aspx

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