

## 50 ohm SMA plug to BNC jack DC Block inner from 10MHz to 3GHz rated 100 Volt in Brass

Fairview Microwave SD8278 is an inner DC block with SMA/BNC connectors. It has a blocking capacitor on the inner conductor and operates from 10 MHz to 3 GHz. Our SMA/BNC DC block offers good insertion loss of 0.2 dB and has a maximum operating voltage of 100 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 DC blocks are in stock and available to ship same-day.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	0.01		3	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.2	dB
Operating Voltage (DC)			100	Volts

### Mechanical Specifications

<b>Size</b>	
Length	1.65 in [41.91 mm]
Width	0.571 in [14.5 mm]
Height	0.571 in [14.5 mm]
Weight	0.05 lbs [22.68 g]
Housing Material and Plating	Brass, Tri-Metal

### Configuration

Package Type	Connectorized
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Description	Connector 1	Connector 2
Type	SMA Male	BNC Female
Inner Cond Material & Plating	Bronze, Gold	Bronze, Gold

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

### Plotted and Other Data

Notes:



### Features:

- Inner DC Blocks with Brass Body
- SMA (M) to BNC (F) between series connectorized configuration
- Operates from 10 MHz to 3 GHz
- 50 Ohm Impedance

### Applications:

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

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50 ohm SMA plug to BNC jack DC Block inner from 10MHz to 3GHz rated 100 Volt in Brass 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.

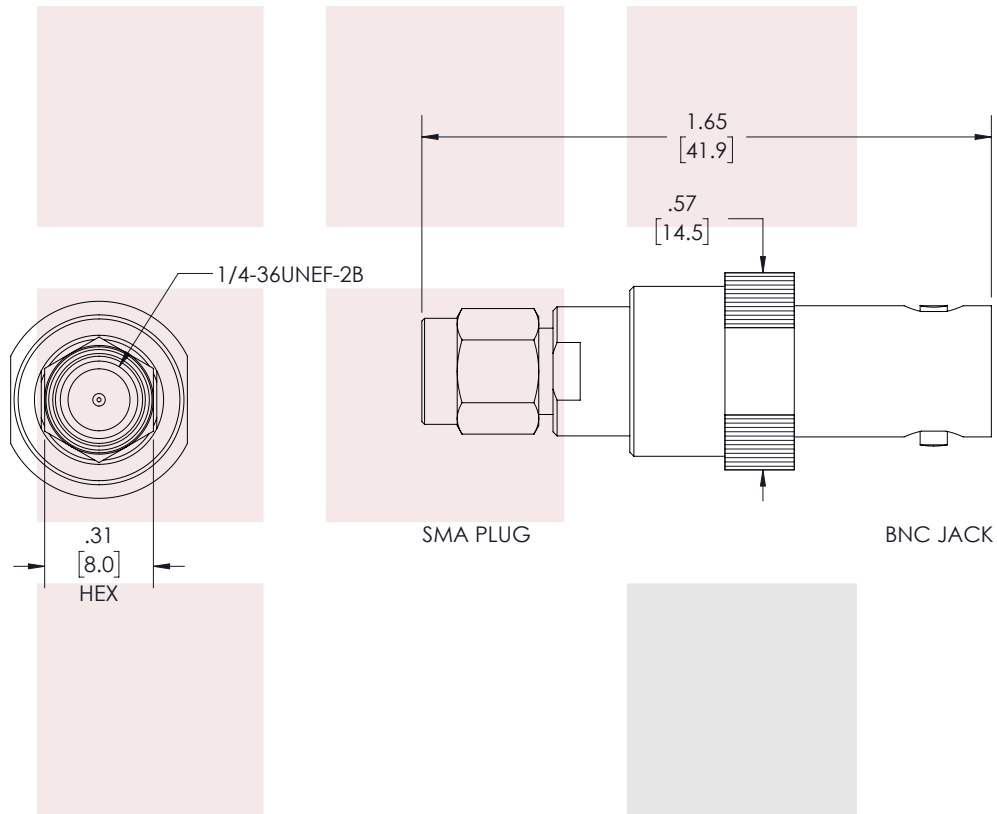
Click the following link to obtain additional part information: [50 ohm SMA plug to BNC jack DC Block inner from 10MHz to 3GHz rated 100 Volt in Brass SD8278](#)

URL: <https://www.fairviewmicrowave.com/dc-block-10-mhz-3-ghz-sma-connectors-sd8278-p.aspx>

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. 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 any liability arising out of the use of any part or documentation.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/25/22	JNAJERA



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TITLE

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32

.XX = ±.02 [.51] ANGLES ± 1°

.XXX = ±.005 [.13]

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0

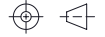
12 [305] < L ≤ 60 [1524] = +2 [51] / -0

60 [1524] < L ≤ 120 [3048] = +4 [102] / -0

120 [3048] < L ≤ 300 [7620] = +6 [152] / -0

300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE

N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY HBAKKE	ITEM NO. SD8278	REV A
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