

Inner DC Block From 10 MHz to 18 GHz With TNC Connectors

Fairview Microwave's SD3457 is an inner DC block with TNC connectors. It has a blocking capacitor on the inner conductor and operates from 10 MHz to 18 GHz. Our TNC 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 Fairview Microwave's DC blocks are in stock and available to ship same-day.



Features:

- Inner DC Block
- Operates from 10 MHz to 18 GHz
- Good Insertion Loss of 0.75 dB Max

Applications:

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

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	0.01		18	GHz
Impedance		50		Ohms
VSWR			1.6:1	
Insertion Loss			0.75	dB
Operating Voltage (DC)			200	Volts

Mechanical Specifications

Size	
Length	1.93 in [49.02 mm]
Width	0.5 in [12.7 mm]
Weight	0.08201 lbs [37.2 g]
Housing Material and Plating	Passivated Stainless Steel
Configuration	
Design	Inner DC Block
Package Type	Connectorized

Description	Connector 1	Connector 2
Type	TNC Male	TNC Female
Inner Cond Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Coupling Nut Material & Plating	Passivated Stainless Steel	
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel

Environmental Specifications

Temperature	
Operating Range	-65 to +125 deg C

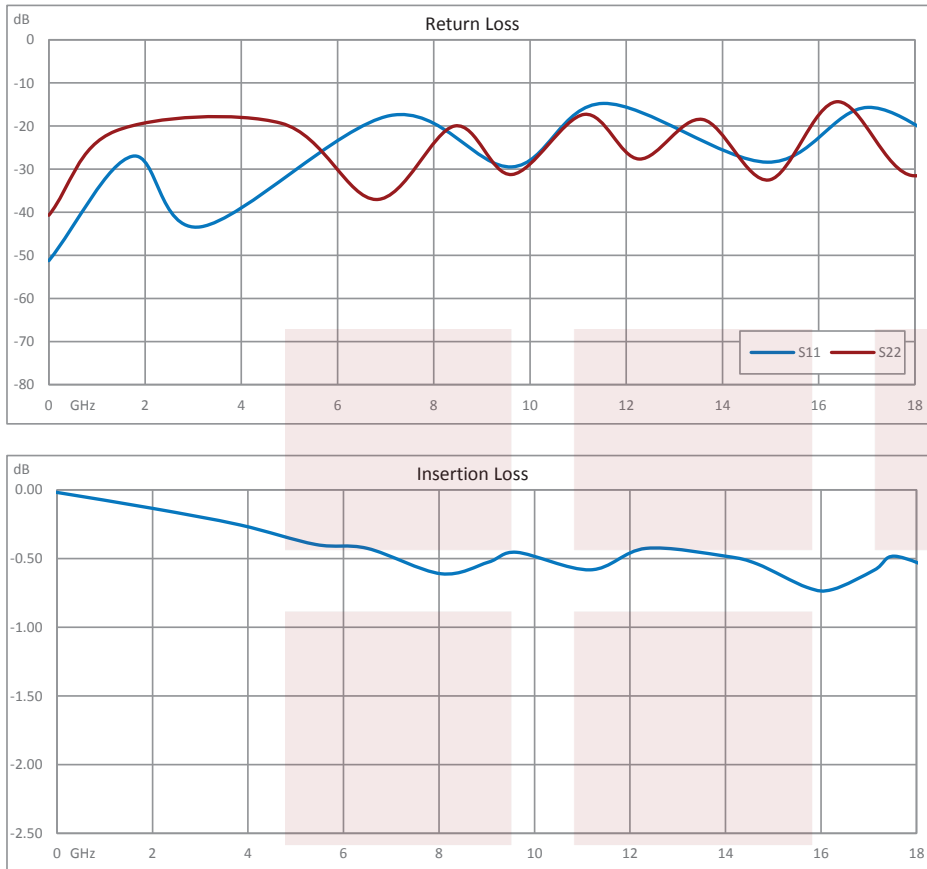
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

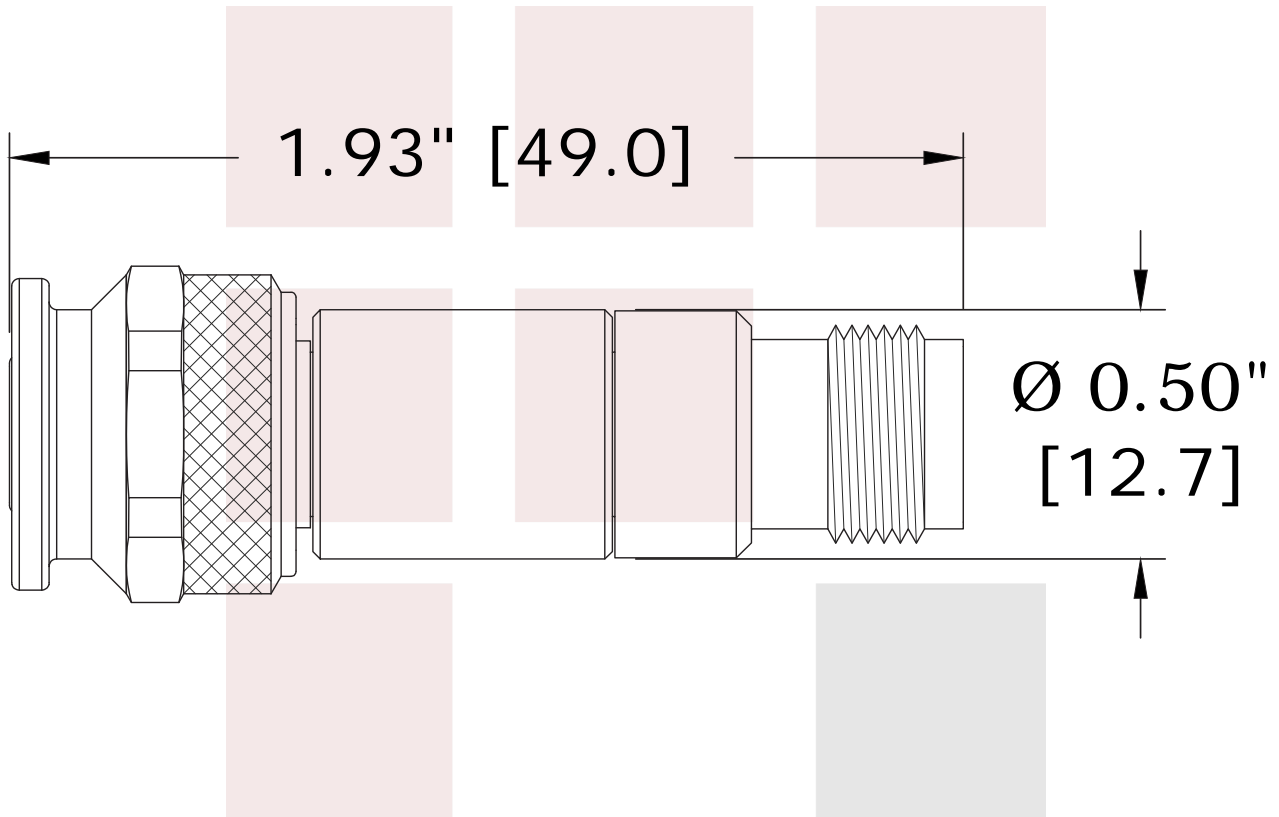


Inner DC Block From 10 MHz to 18 GHz With TNC Connectors from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Inner DC Block From 10 MHz to 18 GHz With TNC Connectors SD3457](https://www.fairviewmicrowave.com/inner-dc-block-10-mhz-18-ghz-tnc-connectors-sd3457-p.aspx)

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TITLE Inner DC Block From 10 MHz to 18 GHz With TNC Connectors		DWG NO SD3457		CAGE CODE 3FKR5	
CAD FILE	011415	SHEET	SCALE	N/A	SIZE A 5568