



High Voltage DC Block on Inner Conductor 50 Ohm TNC
 Male to TNC Female Operating From 10 MHz to 18 GHz

DC Blocks Technical Data Sheet

PE8252

Features

- Inner DC Block
- Operates from 10 MHz to 18 GHz
- Good Insertion Loss of 1.5 dB Max

Applications

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

Description

Pasternack's PE8252 is an inner DC block with type TNC connectors. It has a blocking capacitor on the inner conductor and operates from 10 MHz to 18 GHz. Our type TNC DC block offers good insertion loss of 1.5 dB and has a maximum operating voltage of 950 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 Pasternack's DC blocks are in stock and available to ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.01		18	GHz
Impedance		50		Ohms
VSWR			1.6:1	
Insertion Loss			1.5	dB
Operating Voltage (AC)			950	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.01 to 2	2 to 18				GHz
Insertion Loss, Max	1.25	1.5				dB

Mechanical Specifications

Size	
Length	1.98 in [50.29 mm]
Width	0.56 in [14.22 mm]
Weight	0.083 lbs [37.65 g]

Configuration

Design	Inner DC Block
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [High Voltage DC Block on Inner Conductor 50 Ohm TNC Male to TNC Female Operating From 10 MHz to 18 GHz PE8252](#)



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Description	Connector 1	Connector 2
Type	TNC Male	TNC Female
Connector Specification	MIL-STD-348	MIL-STD-348

Environmental Specifications

Temperature

Operating Range

-65 to +100 deg C

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

Plotted and Other Data

Notes:

High Voltage DC Block on Inner Conductor 50 Ohm TNC Male to TNC Female Operating From 10 MHz to 18 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

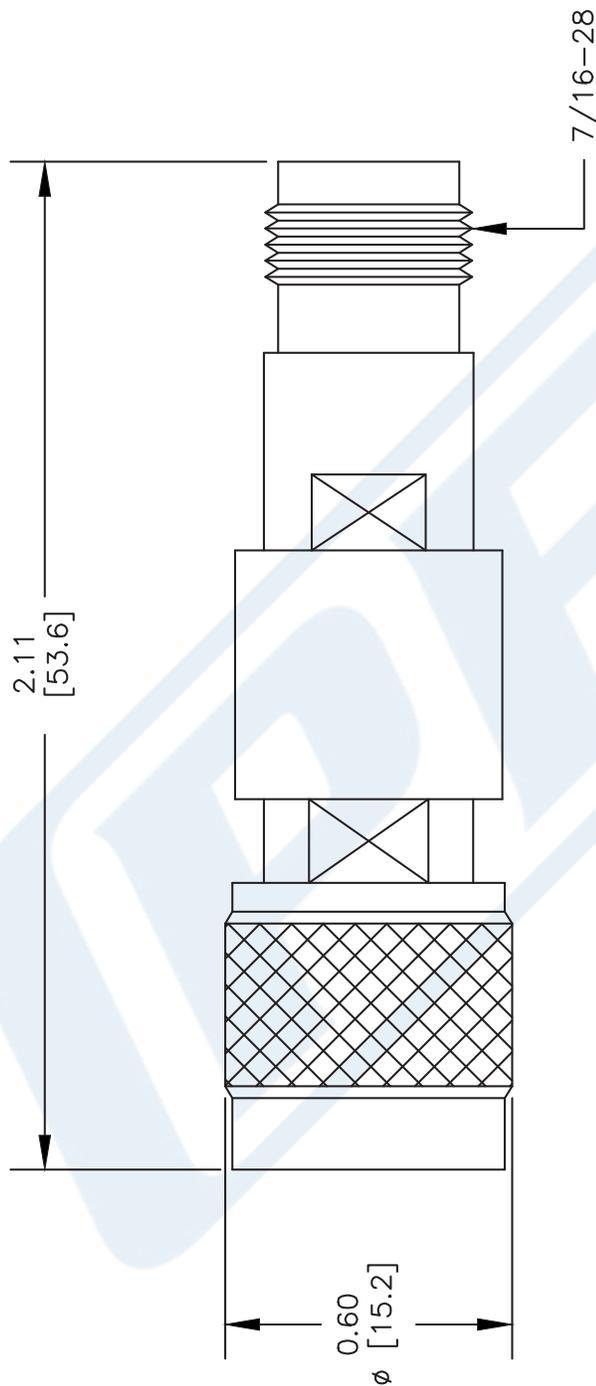
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URL: <https://www.pasternack.com/50-ohm-dc-block-tnc-male-to-tnc-female-18-ghz-pe8252-p.aspx>

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE8252 CAD Drawing

High Voltage DC Block on Inner Conductor 50 Ohm TNC Male
to TNC Female Operating From 10 MHz to 18 GHz



DWG TITLE

PE8252

FSCM NO. **53919**

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE 032703

SCALE N/A

SIZE A

127



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