

Low PIM 7/16 DIN Female to 7/16 DIN Female Bulkhead Mount Adapter, Low VSWR



# RF Adapters Technical Data Sheet

ET12062

### Configuration

- 7/16 DIN Female Connector 1
- 7/16 DIN Female Connector 2
- 50 Ohms

- Low PIM Design
- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- Max Return Loss of -21 dB up to 8 GHz
- PIM levels lower than -165 dBc
- 7/16 DIN Interface compliant with IEC 169-4
- Silver Plated Contact
- 200 µin min Silver Contact Plating

# Applications

General Purpose Test

Rack Mounted Equipment

#### Description

Ebeestock's ET12062 Low PIM 7/16 DIN female to 7/16 DIN female bulkhead adapter is part of our full line of RF components available for same-day shipping. Our 7/16 DIN to 7/16 DIN adapter has a female to female gender configuration in a Low PIM design. ET12062 7/16 DIN female to 7/16 DIN female adapter operates to 8 GHz. This RF 7/16 DIN to 7/16 DIN bulkhead adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Ebeestock also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Return Loss			-21	dB
Passive Intermodulation			-165	dBc
Dielectric Withstanding Voltage (AC)			3,500	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1	1 to 5	5 to 8			GHz
Return Loss, Max	-38	-25	-21			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM 7/16 DIN Female to 7/16 DIN Female Bulkhead Adapter Low VSWR ET12062



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Electrical Specification Notes: Values at 25°C, sea level.

### Mechanical Specifications

Size

 Length
 1.99 in [50.55 mm]

 Width
 1.57 in [39.88 mm]

 Weight
 0.516 lbs [234.05 g]

Description	Connector 1	Connector 2
Type	7/16 DIN Female	7/16 DIN Female
Polarity	Standard	Standard
Interface Specification	IEC 169-4 (0.232 dia. Enhanced)	EC 169-4 (0.232 dia. Enhanced)
Mating Cycles	500	500

#### Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	7/16 DIN Female		7/16 DIN Female		
Contact	Bronze	Silver	Phosphor Bronze	Silver	
		200 µin minimum		200 µin minimum	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Tri-Metal	Brass	Tri-Metal	
		100 μin minimum		100 μin minimum	

### Environmental Specifications

Temperature

Operating Range -40 to +125 deg C

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM 7/16 DIN Female to 7/16 DIN Female Bulkhead Adapter Low VSWR ET12062

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Low PIM 7/16 DIN Female to 7/16 DIN Female Bulkhead Adapter Low VSWR from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM 7/16 DIN Female to 7/16 DIN Female Bulkhead Adapter Low VSWR ET12062

**URL:** https://www.ebeestock.com/low-pim-7-16-din-female-to-7-16-din-female-bulkhead-mount-adapte r-low-vswr-0012062

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

