

Hermetically Sealed Snap-On QMA Male to QMA Male Snap-On Ada pter



# RF Adapters Technical Data Sheet

ET12597

## Configuration

- Snap-On QMA Male Connector 1
- Snap-On QMA Male Connector 2

## • 50 Ohms

Straight Body Geometry

#### Features

- Max VSWR of 1.08:1 up to 6 GHz
- Hermetically Sealed

- 51µ in. minimum contact plating
- Gold Plated Beryllium Copper Contact

## Applications

General Purpose Test

Vacuum Test Environment

#### Description

Ebeestock's ET12597 hermetically sealed snap-on QMA male to QMA male snap-on adapter is part of our full line of RF components available for same-day shipping. Our QMA to QMA adapter has a male to male gender configuration. ET12597 QMA male to QMA male adapter operates to 6 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.08:1 maximum. This hermetic QMA to QMA adapter prevents the leakage of gases, making it suitable for high pressure or vacuum applications or whenever an airtight seal is required.

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		6	GHz
VSWR			1.08:1	
Insertion Loss			0.12	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage			70	dB

#### Mechanical Specifications

Size

Length
Width
University 1.2 in [30.48 mm]
0.41 in [10.41 mm]
0.02 lbs [9.07 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Hermetically Sealed Snap-On QMA Male to QMA Male Snap-On Adapter ET12597

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Description	Connector 1	Connector 2
Туре	QMA Male	QMA Male
Polarity	Standard	Standard
Connector Option	Hermetically Sealed	Hermetically Sealed
Mating Cycles	100	100
Contact Captivation Axial Force, Min	6.07 lbs [2.75 Kg]	6.07 lbs [2.75 Kg]
Contact Captivation Torque, Min	0.63 in-lbs [0.07 Nm]	0.63 in-lbs [0.07 Nm]

#### Material Specifications

Description	Connector 1		Connector 2		
	Material	Plating	Material	Plating	
Туре	Snap-On QMA Male		Snap-On QMA Male		
Contact	Beryllium Copper	Gold	Brass	Gold	
		51µ in. minimum		51µ in. minimum	
Insulation	PTFE		PTFE		
Body	Brass	Tri-Metal	Brass	Tri-Metal	
Coupling Nut	Brass	Tri-Metal	Brass	Tri-Metal	

#### **Environmental Specifications**

Temperature

Operating Range -40 to +105 deg C

Hermetic Seal ATM. Cm3/s

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

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ET12597

Hermetically Sealed Snap-On QMA Male to QMA Male Snap-On Adapter 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: Hermetically Sealed Snap-On QMA Male to QMA Male Snap-On Adapter ET12597

**URL:** https://www.ebeestock.com/hermetically-sealed-snap-on-qma-male-to-qma-male-snap-on-adapter -0012597

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.

ET12597 CAD Drawing
Hermetically Sealed Snap-On QMA Male to QMA Male Snap-On Adapter

