

SMA Female to MMBX Jack Snap-On Adapter, With Female Center Contact



RF Adapters Technical Data Sheet

ET12450

Configuration

- SMA Female Connector 1
- Push-On MMBX Jack Connector 2

- 50 Ohms
- Straight Body Geometry

Features

- Max VSWR of 1.08:1 up to 12.4 GHz
- 51µ in. minimum contact plating
- Gold Plated Beryllium Copper Contact

- Reliable Snap-On connection method
- Mechanical misalignment tolerance of 4.5°/0.7mm Max

Applications

- Allows Connection Between Series
- General Purpose Test
- Low cost blind mate interconnect
- Multi circuit board radios
- Board to board applications requiring multiple coaxial connections

Description

Ebeestock's ET12450 SMA female to MMBX jack push-on adapter, is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to MMBX adapter has a female to jack gender configuration. ET12450 SMA female to MMBX jack adapter is gold plated and operates to 12.4 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.08:1 maximum.

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		12.4	GHz
VSWR			1.08:1	
Insertion Loss			0.42	dB
Operating Voltage (AC)			330	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

 Length
 0.7 in [17.78 mm]

 Width
 0.25 in [6.35 mm]

 Weight
 0.012 lbs [5.44 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female to MMBX Jack Push-On Adapter, with female center contact ET12450

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Description	Connector 1	Connector 2
Type	SMA Female	MMBX Jack
Polarity	Standard	Standard
Mating Cycles	500	500
Contact Captivation Axial Force, Min	2.25 lbs [1.02 Kg]	2.25 lbs [1.02 Kg]

Material Specifications

Connector 1		Connector 2	
Material	Plating	Material	Plating
SMA Female	Push-On MMBX Jack		
Beryllium Copper	Gold	Beryllium Copper	Gold
	51µ in. minimum		51µ in. minimum
PTFE		PTFE	
Brass	Gold	Beryllium Copper	Gold
	8µ in. minimum		8µ in. minimum
Brass	Gold	Brass	Gold
	8µ in. minimum		8µ in. minimum
	Material SMA Female Beryllium Copper PTFE Brass	MaterialPlatingSMA FemaleGoldBeryllium CopperGold51μ in. minimumPTFEGoldBrassGold8μ in. minimumBrassGold	MaterialPlatingMaterialSMA FemalePush-On MMBX JackBeryllium CopperGoldBeryllium Copper51μ in. minimumPTFEPTFEBrassGoldBeryllium Copper8μ in. minimumBrass

Environmental Specifications

Temperature

Operating Range

-55 to +155 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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SMA Female to MMBX Jack Push-On Adapter, with female center contact 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: SMA Female to MMBX Jack Push-On Adapter, with female center contact ET12450

URL: https://www.ebeestock.com/sma-female-to-mmbx-jack-snap-on-adapter-with-female-center-contact-0012450

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.

ET12450 CAD Drawing

SMA Female to MMBX Jack Push-On Adapter, with female center contact

