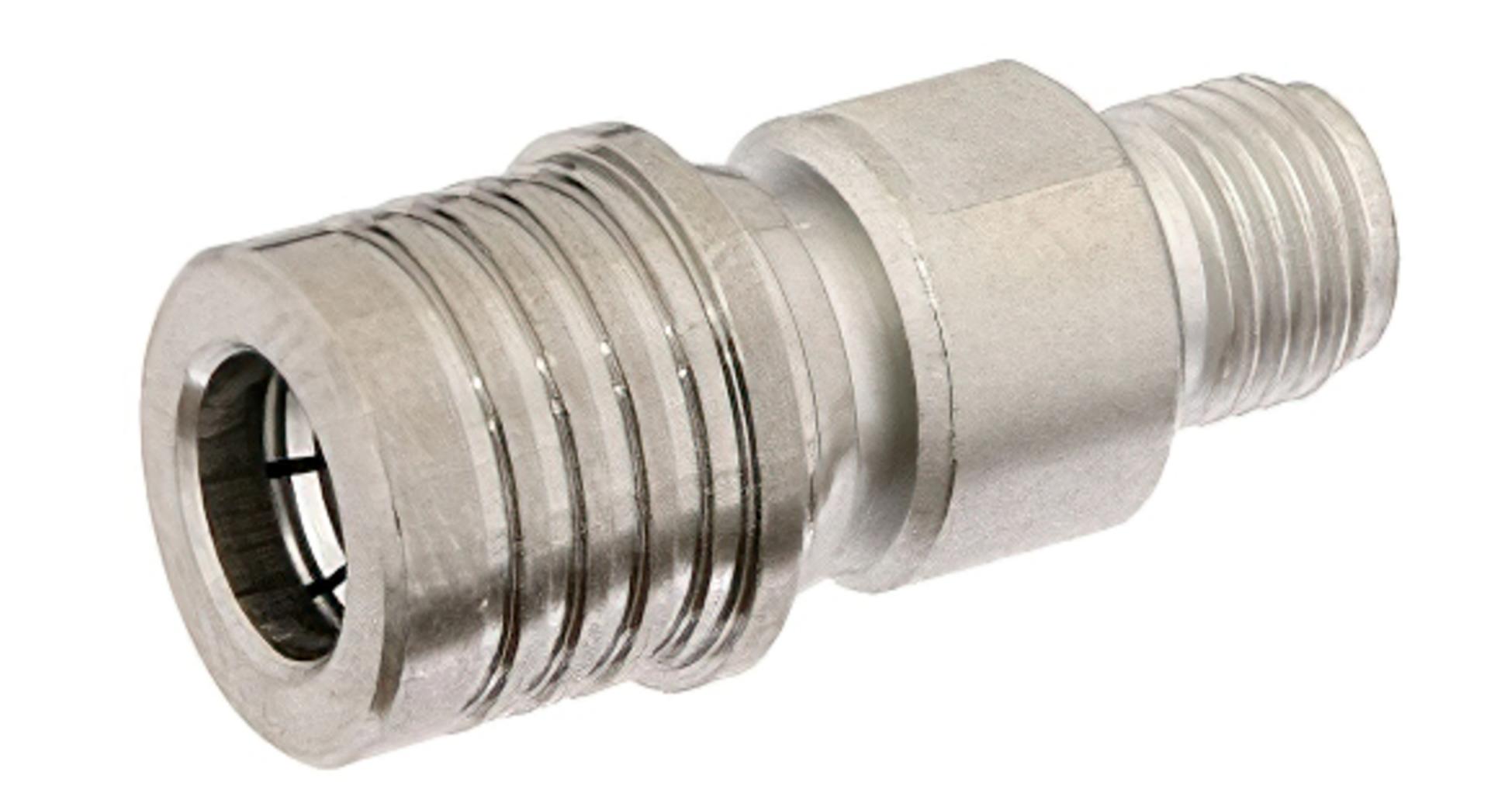


SMA Female to QMA Male Adapter



RF Adapters Technical Data Sheet

ET1260

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Configuration

- SMA Female Connector 1
- QMA Male Connector 2

- 50 Ohms
- Straight Body Geometry

Features

- SMA Interface compliant with MIL-STD-348A
- Gold Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Ebeestock's ET12604 SMA female to QMA male 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 QMA adapter has a female to male gender configuration. ET12604 SMA female to QMA male adapter operates to 18 GHz.

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.

ectrical Specifications				
Ereguency Range	DC	18	GHz	
Operating Voltage (AC)		480	Vrms	
Dielectric Withstanding Voltage (AC)		1,000	Vrms	
Inner Conductor DC Resistance		3	mOhms	
Outer Conductor DC Resistance		2.5	mOhms	
Insulation Resistance	5,000		MOhms	

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 QMA Male Adapter ET12604



SMA Female to QMA Male Adapter



RF Adapters Technical Data Sheet ET12604

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
Return Loss, Max	-32	-28				dB

Electrical Specification Notes:

Values at 25°C, sea level.

Insertion loss (dB) = $0.03 \times \text{sqrt}(FGHz) \text{ max up to } 6 \text{ GHz}.$

RF leakage -70 dB max up to 6 GHz.

Mechanical Specifications

Size

 Length
 0.97 in [24.64 mm]

 Width
 0.41 in [10.41 mm]

 Weight
 0.017 lbs [7.71 g]

Connector 1	Connector 2	
SMA Female	QMA Male	
Standard	Standard	
MIL-STD-348A		
100	100	
	SMA Female Standard	SMA Female QMA Male Standard Standard

Material Specifications

Connector 1		Connec	tor 2
Material	Plating	Material	Plating
SMA Female		QMA Male	
Beryllium Copper	Gold	Beryllium Copper	Gold
PTFE		PTFE	
Brass	Tri-Metal		
		Spring Bronze	Tri-Metal
	Material SMA Female Beryllium Copper PTFE	Material Plating SMA Female Beryllium Copper Gold PTFE	MaterialPlatingMaterialSMA FemaleQMA MaleBeryllium CopperGoldBeryllium CopperPTFEPTFEBrassTri-Metal

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C Storage Range -40 to +85 deg C

Vibration IEC 60068-2-64 random

Thermal Shock IEC 60169-1 16.4 (-40 to +85 °C)

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8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Salt Spray

IEC 60169-1 16.7 (48 hours)

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

SMA Female to QMA Male 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: SMA Female to QMA Male Adapter ET12604

URL: https://www.ebeestock.com/sma-female-to-qma-male-adapter-0012604

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.

ET12604 CAD Drawing SMA Female to QMA Male Adapter

