



RF Adapters Technical Data Sheet

ET1276

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Configuration

- SMA Female Connector 1
- Limited Detent SMP Male Connector 2

Features

- Max Return Loss of -15 dB up to 26.5 GHz
- SMA Interface compliant with MIL-STD-348A
- SMP Interface compliant with MIL-STD-348A

- 50 Ohms
- Straight Body Geometry
- Gold over Nickel Plated Beryllium Copper Contact
- 1.27 µm minimum Gold Contact Plating

Applications

Allows Connection Between Series
 General Purpose Test

Description

Ebeestock's ET12764 SMA female to SMP male limited detent 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 SMP adapter has a female to male gender configuration. ET12764 SMA female to SMP male adapter operates to

26.5 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.

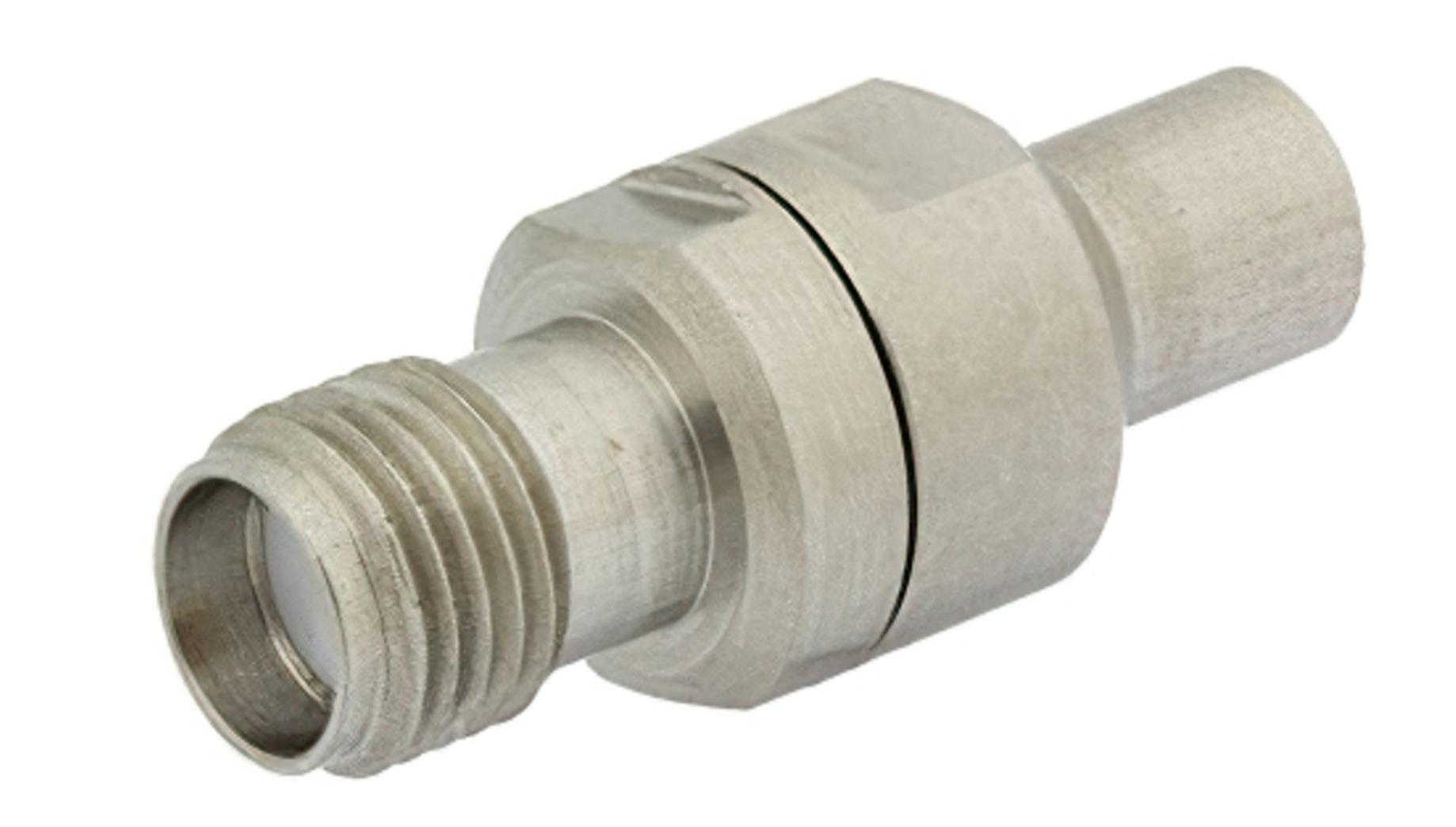
ctrical Specifications			
Frequency Range	DC	26.5	GHz
Return Loss		-15	dB
Insertion Loss		0.26	dB
Operating Voltage (AC)		335	Vrms
Dielectric Withstanding Voltage (AC)		500	Vrms
Inner Conductor DC Resistance		6	mOhms
Outer Conductor DC Resistance		2	mOhms
Insulation Resistance	5,000		MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price,









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Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 4	4 to 10	10 to 26.5			GHz
Return Loss, Max	-32	-22	-15			dB

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

Insertion loss (dB) = 0.05 x sqrt(FGHz) max.

Mechanical Specifications

Size

 Length
 0.91 in [23.11 mm]

 Width
 0.35 in [8.89 mm]

 Weight
 0.012 lbs [5.44 g]

Description	Connector 1	Connector 2
Type	SMA Female	SMP Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A
Mating Cycles	500	500

Material Specifications

	Connector 1		Connec	tor 2
Description	Material	Plating	Material	Plating
Туре	SMA Female		Limited Detent SMP Male	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
		1.27 µm minimum		1.27 µm minimum
Insulation	PTFE		PTFE	
Outer Conductor Pa	assivated Stainless Steel			
Body			Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range -65 to +155 deg C

Humidity MIL-STD-202, Method 106

Shock
MIL-STD-202, Method 213, Condition A
Vibration
MIL-STD-202, Method 204, Condition B

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 SMP Male Limited Detent Adapter 26.5 GHz ET12764

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Thermal Shock

MIL-STD-202, Method 107, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

SMA Female to SMP Male Limited Detent Adapter 26.5 GHz 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 SMP Male Limited Detent Adapter 26.5 GHz ET12764

URL: https://www.ebeestock.com/sma-female-to-smp-male-limited-detent-adapter-26-5-ghz-0012764

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.

ET12764 CAD Drawing
SMA Female to SMP Male Limited Detent Adapter 26.5 GHz

