MAX-GAIN SYSTEMS, INC.

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SMA male to RP-SMA female Adapter

Technical Data Sheet

This SMA male to RP-SMA female adapter is one of several thousand RF products available from Max-Gain Systems, Inc. This adapter is a between series coaxial adapter.

This adapter is made from a Solid Brass body that is precision machined and plated with Gold for superior performance and value. This SMA male to RP-SMA female adapter has a PTFE dielectric and a gold plated brass center pin. The SMA male side provides the pin in the sub-miniature, threaded, and tight-locking SMA connection type. The RP-SMA female side provides the same threads as an SMA female and pins that are normally found in SMA male connections; RP-SMA connections are popular in Wi-Fi, WiMAX, and other computer applications.

Material Specifications

SMA male to RP-SMA female Adapter **Part Number 8503**

Description	Material	Plating
Center Pin	**Brass**	**Gold**
Insulator	**PTFE**	**White**
Body	**Brass**	**Gold**
Gasket	**Silicone**	**Red**

Mechanical Specifications

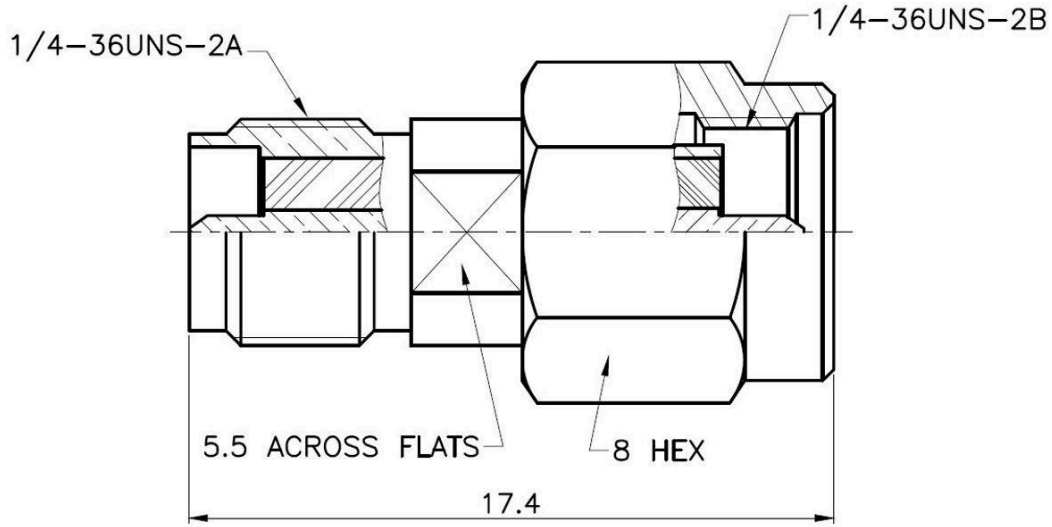
Size	Dimension
Length	**0.68 in (17.4 mm)**
Width	**0.315 in (8 mm)**
Height	**0.315 in (8 mm)**
Weight	**0.1 oz (3 g)**

Environmental Specifications

Temperature	Spec
Operating Range	**-65 to +165 deg C**

Compliance Certifications (see product page for current documentation)

Availability Click the following link (or enter part number in the “SEARCH” bar at the top of any page of the website) to obtain additional part information including price, inventory and certifications: https://mgs4u.com/product/sma-male-to-rp-sma-female-adapter-8503/?v=7516fd43adaa



NO.	DESCRIPTION	MATERIAL	FINISH	QTY
	GASKET	SILICONE	RED	
	CONTACT PIN	BRASS	GOLD	
	INSULATOR	TEFLON	WHITE	
	BODY	BRASS	GOLD	

UNLESS OTHERWISE SPECIFIED TOLERANCES
0.5–5 = ±0.2
5–30 = ±0.4
30–120 = ±0.6
120–315 = ±1
315–1000 = ±1.6
1000–2000 = ±2.4

UNIT: mm

SCALE: .

PART NO DATE

APPROVED DATE

CHECKED DATE

DRAWN DATE

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DRAWING NO: 8503

FILE NO :