



150 Dodd Street SE  
Marietta, GA. 30060

**Phone:** 770-973-6251  
**Fax:** 678-401-3854

**Email:** [info@mgs4u.com](mailto:info@mgs4u.com)  
**Website:** [www.mgs4u.com](http://www.mgs4u.com)

TNC male to RP-SMA female Adapter



## Technical Data Sheet

This TNC male to 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 Nickel for superior performance and value. This TNC male to RP-SMA female adapter has a PTFE dielectric and a gold plated brass center pin. The TNC female side provides a threaded connection very similar to a BNC connection, substituting the bayonets for threads. 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

TNC male to RP-SMA female Adapter		Part Number 8898
Description	Material	Plating
Shell	Brass	Nickel
C Ring	Brass	None
Gasket	Rubber	Red
Pin	Brass	Gold
Insulator	PTFE	White
Body	Brass	Nickel

## Mechanical Specifications

Size	Dimension
Length	1.08 in (27.4 mm)
Width	0.47 in (12 mm)
Height	0.47 in (12 mm)
Weight	0.3 oz (10 g)

## Electrical Specifications

Criteria	Dimension
Impedance (Nominal)	50 Ohms
Frequency Range	DC to 11 GHz
Insertion Loss	0.15 dB
Working Voltage	500 Vdc
Dielectric Withstanding Voltage	1,000 Vrms

## 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/tnc-male-to-rp-sma-female-adapter/>

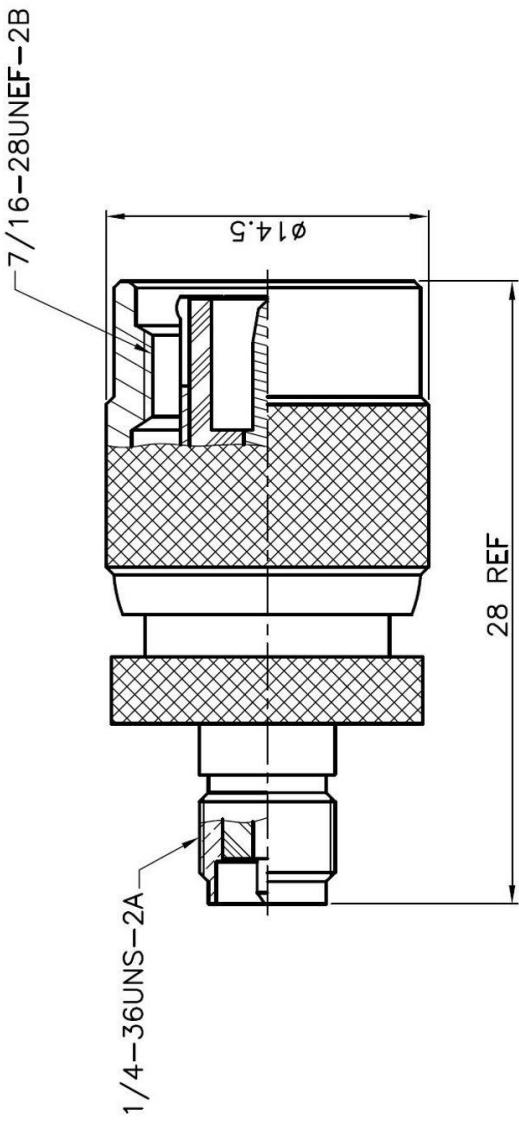
# MGS

MAX-GAIN  
SYSTEMS, INC.

Max-Gain Systems, Inc.  
150 Dodd Street SE, Marietta, GA. 30060  
Phone: (770) 973-6251 Fax: (678) 401-3854  
Website: [www.mgs4u.com](http://www.mgs4u.com) E-Mail: [sales@mgs4u.com](mailto:sales@mgs4u.com)

TITLE: TNC male to RP-SMA female Adapter

DRAWING NO: 8898  
CAGE CODE: 7JZZ8



UNLESS OTHERWISE SPECIFIED	OTHERWISE TOLERANCES	PART NO	DATE
0.5-5	$\pm 0.2$	APPROVED	DATE
5-30	$\pm 0.4$		
30-120	$\pm 0.6$		
120-315	$\pm 1$		
315-1000	$\pm 1.6$		
1000-2000	$\pm 2.4$		
SHELL	BRASS	NICKEL	
C RING	BRASS	NONE	
GASKET	RUBBER	RED	
PIN	BRASS	GOLD	
INSULATOR	TEFLON	WHITE	UNIT: mm
BODY	BRASS	NICKEL	DRAWN
NO. DESCRIPTION	MATERIAL	FINISH	SCALE: -