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SMA female to SMA male to SMA female Tee Adapter
Surplus - M55339/30-30101



Technical Data Sheet

This SMA female to SMA male to SMA female tee adapter (surplus) is one of several thousand RF products available from Max-Gain Systems, Inc. This tee adapter is an in-series coaxial adapter.

This tee adapter is made from a Solid Brass body that is precision machined and plated with Gold for superior performance and value. This SMA female to SMA male to SMA female tee adapter (surplus) has a PTFE dielectric and a gold plated brass center pin. Two sides provide a SMA female whose jack and exterior threads provide a sub-miniature and tight-locking connection for use at higher frequencies. The SMA male side's plug and interior threads provide a sub-miniature and tight-locking connection for use at higher frequencies.

Other Reference #: M55339/30-30101

Material Specifications

SMA female to SMA male to SMA female Tee Adapter		Part Number MIL-7841-T-01
Description	Material	Plating
Shell	Brass	Gold
Inner Retaining Ring	Stainless	Passivated
Insulator	Teflon	White
Center Pin	Brass	Gold
RP-SMA male	Brass	Gold
Insulator	PTFE	White
Center Pin	Beryllium Copper	Gold
SMA female	Brass	Gold

Mechanical Specifications

Size	Dimension
Length	0.913 in (23.2 mm)
Width	0.63 in (16.09 mm)
Height	0.31 in (9 mm)
Weight	0.4 oz (10 g)

Electrical Specifications

Size	Dimension
Nominal Impedence	50 Ohms
Frequency Range	DC to 12.4 GHz
Voltage Rating	335 Max. VRMS
Dielectric Withstanding Voltage	1000 VRMS
Insulation Resistance	5000 Min. Megohms
Contact Resistance:	
Center Contact	6 Max. Milliohms
Outer Contact	2 Max. Milliohms

Environmental Specifications

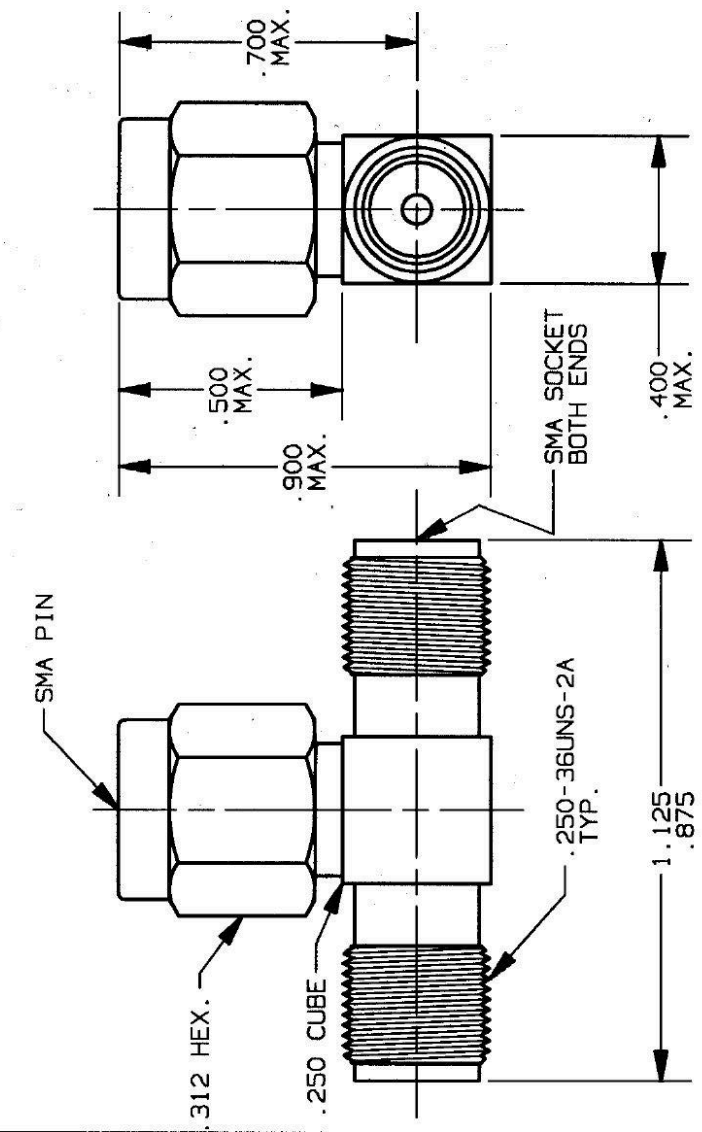
Temperature	Spec
Operating Range	-65 to +165 deg C

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-female-to-sma-male-to-sma-female-tee-adapter-surplus/?v=7516fd43adaa>

DWG. NO. M55339/30-30101

CONFIGURATION (TOLERANCE ±.005 UNLESS OTHERWISE SPECIFIED)



SMA SERIES ADAPTER TEE F-M-F

MATERIAL & FINISH:

BODIES & COUPLING NUT: STAINLESS STEEL PER AMS-5640, UNS S30300, TYPE I PASSIVATED PER QQ-P-35C, TYPE II.
 FEMALE CONTACT: BERYLLIUM COPPER PER ASTM-B196, COND. TD04, ALLOY UNS-C17300, GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1; OVER NICKEL PER QQ-N-290, CLASS 1.
 MALE CONTACT: BRASS PER ASTM B16, ALLOY 360 UNS C36000, TEMPER H02, GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1; OVER NICKEL PER QQ-N-290, CLASS 1.
 INSULATORS: TEFLON PER ASTM-1457.
 GASKET: SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50-60.
 LOCK RING: BERYLLIUM COPPER PER ASTM-B196, COND. TD04, ALLOY UNS-C17300.

SYM.	DESCRIPTION	DATE	APPR.	DRAWN:	APPROVED:
-	REL. NRN 22392	3/96	<i>Lu</i>	DMB	<i>Lu</i>
				DATE 3/7/96	DATE 3/13/96

ELECTRICAL:

NOMINAL IMPEDANCE (OHMS) 50
 FREQUENCY RANGE (GHZ) DC TO 12.4
 VOLTAGE RATING (MAX. VRMS) 335
 VSMR (MAX.) N/A
 INSERTION LOSS (x $\sqrt{FBZ} = DB$ MAX.) N/A
 RF LEAKAGE (MIN. DB DOWN) N/A
 RF HIGH POTENTIAL (MAX. VRMS) 670 AT 5 MHz
 DIELECTRIC WITHSTANDING VOLT. (MAX. VRMS) 1000
 INSULATION RESISTANCE (MIN. MEGOHMS) 5000
 CONTACT RESISTANCE:
 CENTER CONTACT (MAX. MILLIOHMS) 6.0
 OUTER CONTACT (MAX. MILLIOHMS) 2.0

MECHANICAL:

PER MIL-A-55339/30 SERIES, AND S/V MD-107
 INTERFACE DIMENSIONS 7 - 10 IN. LBS.
 RECOMMENDED MATING TORQUE
 CENTER CONTACT AXIAL FORCES: 48.0
 INSERTION (MAX. OUNCES) 1.0
 WITHDRAWAL (MIN. OUNCES) 500
 CONNECTOR DURABILITY (MIN. CYCLES) 500
 CONNECTOR ENGAGEMENT & DISENGAGEMENT (MAX. INCH LBS.) TORQUE 2.0
 CENTER CONTACT CAPTIVATION 6 LB. MIN. AXIAL FORCE
 4 IN. OZ. MIN. TORQUE
 COUPLING PROOF TORQUE 15 LBS. MIN.

ENVIRONMENTAL:

TEMP. RATING (DEGREES CENTIGRADE) -65° TO +165°C
 VIBRATION (MIL-STD-202, METHOD 204, CONDITION D, 20G'S)
 SHOCK (MIL-STD-202, METHOD 213, COND. I, 100G'S)
 TEMP. CYCLING (MIL-STD-202, METHOD 107, COND. C, -65c TO 200° C)
 MOISTURE RESISTANCE (MIL-STD-202, METHOD 106, LESS STEP 7B)
 BAROMETRIC PRESSURE (ALTITUDE) MIL-STD-202, METHOD 105,
 COND. C, 70,000 FT., 250 VRMS)
 HERMETICITY N/A

DWG. NO. M55339/30-30101
 SOLITRON/VECTOR
 3301 ELECTRONICS WAY
 WEST PALM BEACH, FL 33407