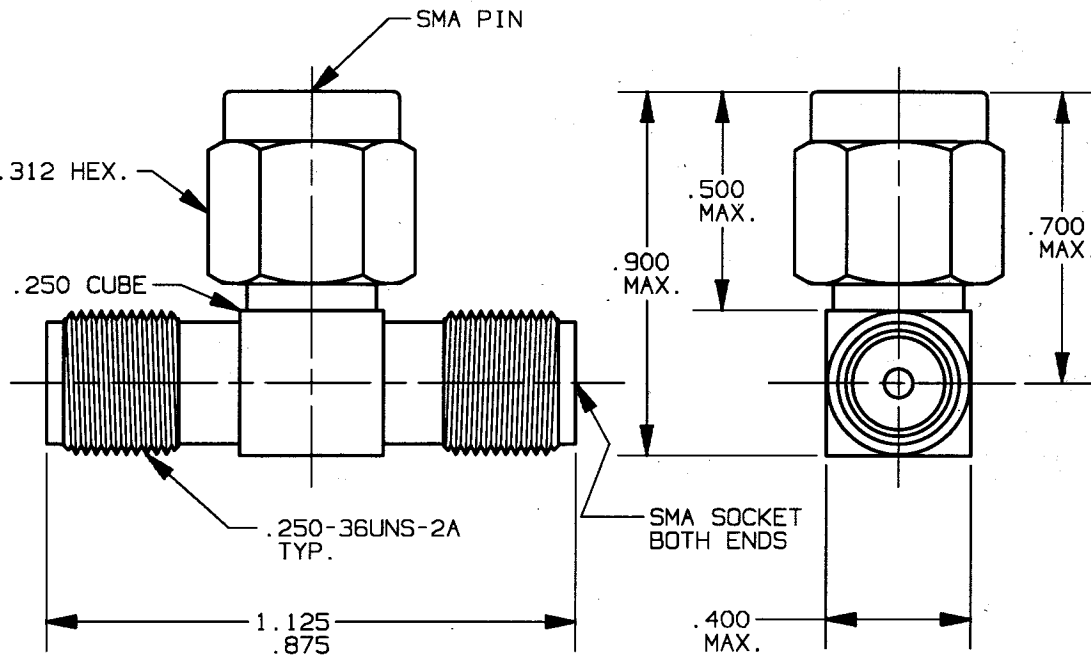


CONFIGURATION (TOLERANCE ±.005 UNLESS OTHERWISE SPECIFIED)



SMA SERIES ADAPTER TEE F-M-F

DWG. NO.

M55339/30-30101

**ELECTRICAL:**

NOMINAL IMPEDANCE (OHMS)	50
FREQUENCY RANGE (GHZ)	DC TO 12.4
VOLTAGE RATING (MAX. VRMS)	335
VSWR (MAX.)	N/A
INSERTION LOSS (x $\sqrt{F}$ GHZ = 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	
RECOMMENDED MATING TORQUE	7 - 10 IN. LBS.
CENTER CONTACT AXIAL FORCES:	
INSERTION (MAX. OUNCES)	48.0
WITHDRAWAL (MIN. OUNCES)	1.0
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

**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

SOLITRON/VECTOR

3301 ELECTRONICS WAY  
 WEST PALM BEACH, FL 33407

DWG. NO.

M55339/30-30101