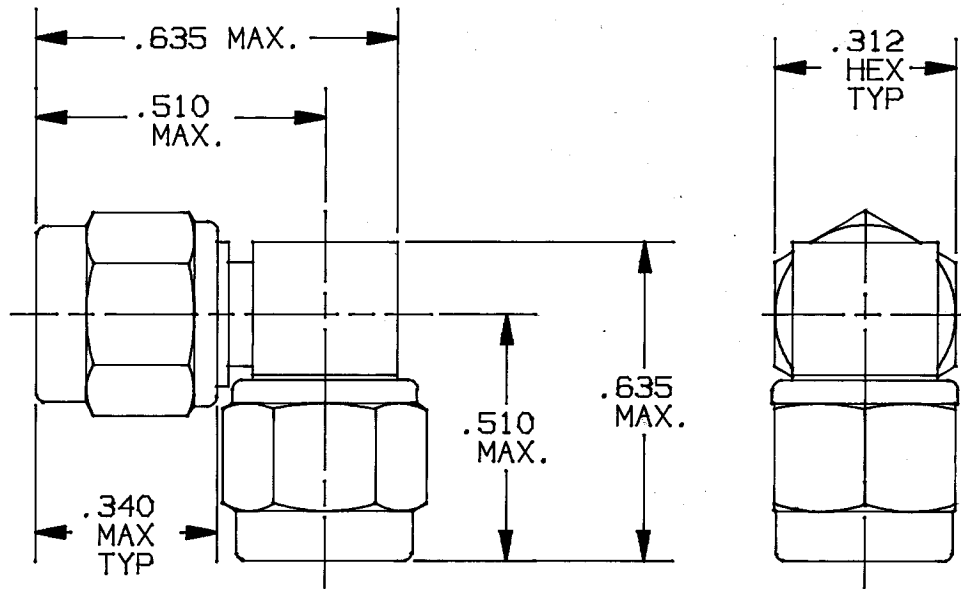


ENG. FILE COPY

CONFIGURATION



SMA PLUG TO PLUG, CUBED RIGHT ANGLE ADAPTER

DWG. NO.

M55339/53-30001

ELECTRICAL:

NOMINAL IMPEDANCE (OHMS)	50
FREQUENCY RANGE (GHZ)	DC TO 12.4
VOLTAGE RATING (MAX. VRMS)	335
VSWR (MAX.)	1.05+.010 X FGHz
INSERTION LOSS (x $\sqrt{\text{FGHz}}$ = DB MAX.)	.05
RF LEAKAGE (MIN. DB DOWN)	60 DB-FGHz
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)	4.0
OUTER CONTACT (MAX. MILLIOHMS)	2.0

MECHANICAL:

INTERFACE DIMENSIONS	PER MIL-C-39012/SMA SERIES & S/M MD-107
RECOMMENDED MATING TORQUE	7-10 IN. LBS.
CENTER CONTACT AXIAL FORCES:	
INSERTION (MAX. OUNCES)	N/A
WITHDRAWAL (MIN. OUNCES)	N/A
CONNECTOR DURABILITY (MIN. CYCLES)	500
CONNECTOR ENGAGEMENT & DISENGAGEMENT (MAX. INCH LBS.)	2.0
CENTER CONTACT CAPTIVATION	6 LBS. MIN. AXIAL FORCE 4 IN. OZ. MIN. TORQUE

ENVIRONMENTAL:

TEMP. RATING (DEGREES CENTIGRADE)	-65°C 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. B, -65°C 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, SLEEVE & COUPLING NUT: STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A. PASIVATED PER QQ-P-35A, TYPE 1.

CONTACT: BERYLLIUM COPPER PER ASTM-B196, COND. TD04, ALLOY UNS-C17300, GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 2; OVER COPPER PER MIL-C14550, CLASS 4.

LOCK RING: BERYLLIUM COPPER PER ASTM-B196, COND. TD04, ALLOY UNS-C17300.

INSULATORS: TEFLON PER ASTM-D1710 & L-P-403, TYPE 1.

GASKET: SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRD. 50-60.

SYM.	DESCRIPTION	DATE	APPR.	DRAWN:	APPROVED:
—	REL. F-11947	11/90	RF	D. CARNES	RF
				DATE 11/5/90	DATE 11/5/90

SOLITRON MICROWAVE
1167 BLUE HERON BLVD.
RIVIERA BEACH, FL. 33404

DWG. NO.

M55339/53-30001