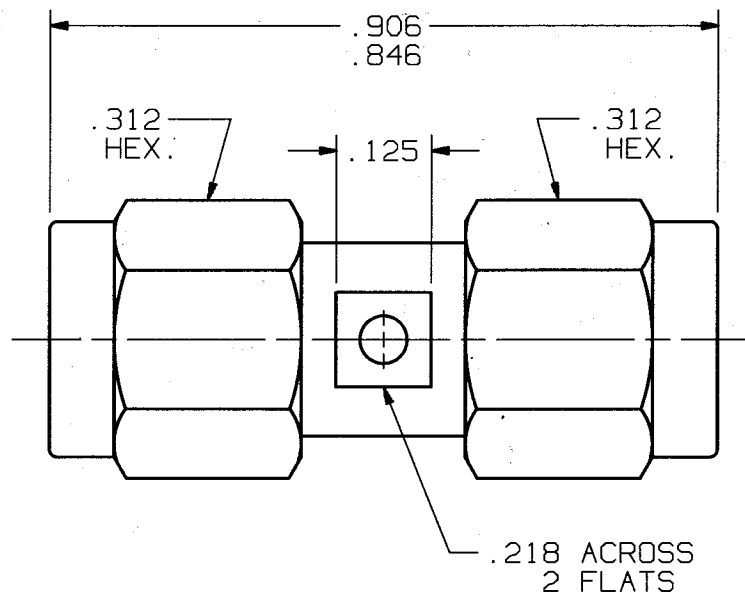


CONFIGURATION: [TOLERANCE $\pm$.005 UNLESS OTHERWISE SPECIFIED]

ENG. FILE COPY



SMA, PLUG TO PLUG, STRAIGHT ADAPTER CAPTIVE CONTACT

MATERIAL & FINISH:

BODY & COUPLING NUTS: STAINLESS STEEL PER AMS 5640, UNS S30300;
GOLD PER MIL-G-45204, TYPE I, CLASS 1 OVER NICKEL PER QQ-N-290,
CLASS 1.

CONTACT: BERYLLIUM COPPER PER ASTM-B-196, ALLOY C17300, COND.TD04
GOLD PER MIL-G-45204, TYPE I, GRADE C, CLASS 1 OVER NICKEL
PER QQ-N-290, CLASS 1.

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

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

INSULATOR: TEFLON PER ASTM D1457

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.B, -65c TO 125° 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.

2993-6001

ELECTRICAL:

NOMINAL IMPEDANCE (OHMS) 50
FREQUENCY RANGE (GHZ) DC TO 18.0
VOLTAGE RATING (MAX.VRMS) 335
VSWR (MAX.) 1.05 + .005f x GHz
INSERTION LOSS (DB MAX. x $\sqrt{\text{fGHz}}$) .04
RF LEAKAGE (MIN.DB DOWN) 60
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) 4.0

MECHANICAL:

PER MIL-STD 348
AND S/V MD-121
INTERFACE DIMENSIONS
RECOMMENDED
MATING TORQUE 7 TO 10 IN. LB.
CENTER CONTACT AXIAL FORCES:
INSERTION (MAX. OUNCES) N/A
WITHDRAWAL (MIN. OUNCES) N/A
CONNECTOR DURABILITY (MIN. CYCLES) 500
CONNECTOR ENGAGEMENT AND
DISENGAGEMENT (MAX.INCH LBS.) 2.0
CENTER CONTACT
CAPTIVATION 6.0 LBS. MIN. AXIAL FORCE

SYM.	DESCRIPTION	DATE	APPR.	REDRAWN:	APPROVED:
A	REV.DCN F-7112	5/79	DGG	BRT	DGG
B	REV.DCN 23270	3/97	AM	DATE 3/13/97	DATE 12/3/76

**SOLITRON/VECTOR
MICROWAVE**

3301 ELECTRONICS WAY
WEST PALM BEACH, FL. 33407

DWG. NO.

2993-6001