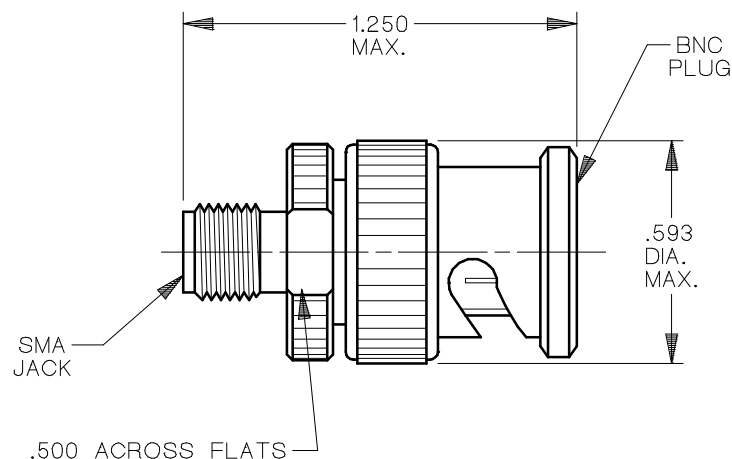


CONFIGURATION (TOLERANCE +/- .005 UNLESS OTHERWISE SPECIFIED)



SMA JACK TO
BNC PLUG, ADAPTER

MATERIAL:

BODY: STAINLESS STEEL PER AMS-5640, UNS S30300, TYPE A.
CONTACTS: BERYLLIUM COPPER PER ASTM B 196, UNS C17300, COND. TD04.
INSULATOR: TEFLON PER ASTM D 1457.
BAYONET SLEEVE, HALF WASHER: BRASS PER ASTM B 16, UNS C36000, TEMPER H02.
SPRING WASHER: BERYLLIUM COPPER PER ASTM B 194, UNS C17200, COND. TD04.
GASKET: SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60.

FINISH:

BODY: PASSIVATION PER QQ-P-35, TYPE II.
CONTACT: GOLD PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1 OVER NICKEL PER QQ-N-290, CLASS 1.
BAYONET SLEEVE, WASHERS: NICKEL PER QQ-N-290, GRADE G, CLASS 1.
OUTER CONTACT: GOLD PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1, OVER COPPER PER MIL-C-14550, CLASS 4.

SYM.	DESCRIPTION	DATE	APPR.	DRAWN:	APPROVED:
—	REL. DCN 24031	1/98	JM	J.R.G.	S.W.
A	REV. DCN 26004	3/00	SW	DATE 1/16/98	DATE 1/19/98

DWG. NO.

M55339/44-30001

ELECTRICAL:

NOMINAL IMPEDANCE (OHMS) _____ 50
FREQUENCY RANGE (GHZ) _____ DC TO 4.0
VOLTAGE RATING (MAX. VRMS) _____ 335
VSWR (MAX.) _____ 1.30
INSERTION LOSS ($\times \sqrt{\text{F GHZ}} = \text{DB MAX.}$) _____ .115
RF LEAKAGE (MIN. DB DOWN) _____ -55 dB
RF HIGH POTENTIAL (MIN. VRMS) _____ 670 AT 5 MHz
DIELECTRIC WITHSTANDING VOLT. (MAX. VRMS) _____ 1500
INSULATION RESISTANCE (MIN. MEGOHMS) _____ 5000
CONTACT RESISTANCE:
CENTER CONTACT (MAX. MILLIOHMS) _____ 4.1
OUTER CONTACT (MAX. MILLIOHMS) _____ 2.2

MECHANICAL:

SMA JACK PER MIL-STD-348 & SV MD-107 TO BNC PLUG PER MIL-STD-348 & SV MD-125
INTERFACE DIMENSIONS
RECOMMENDED MATING TORQUE _____ SMA: 7-10 IN. LBS., BNC: N/A
CENTER CONTACT AXIAL FORCES:
INSERTION (MAX. OUNCES) _____ SMA 48.0 | BNC N/A
WITHDRAWAL (MIN. OUNCES) _____ 1.0 | N/A
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
CONNECTOR ENGAGEMENT & DISENGAGEMENT (MAX. INCH LBS.) _____ SMA 2.0 | BNC 2.5
CENTER CONTACT CAPTIVATION _____ 6.0 LBS. MIN. AXIAL

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. 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., _____ 85 _____ VRMS)
HERMETICITY _____ N/A

SOLITRON VECTOR MICROWAVE

DWG. NO.

3301 ELECTRONICS WAY.
WEST PALM BEACH, FL. 33407

M55339/44-30001