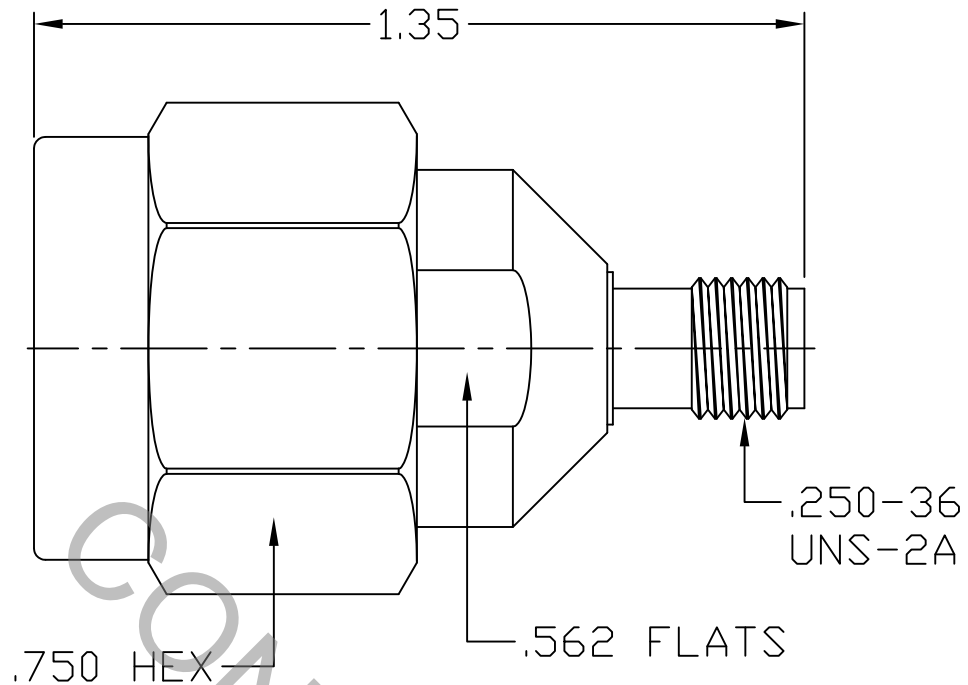


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS Per MIL-STD-348
Fig. 304.1 (N PLUG) WITH SOLID OUTER & Fig. 310.2 (SMA JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz
VSWR (MAX.) *	1.07 + .010 x FGHz
INSERTION LOSS (dB MAX.) *	.05 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	335
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	1203	6/96	TS	.X ± .030		X ° ± 1° 0'	TITLE N PLUG TO SMA JACK ADAPTER
A	1228	8/96	TS	.XX ± .010	± 1/64	X ° X' ± 15'	
AA	97-0392	6/10/97	TS	.XXX ± .005			
BA	97-0603	10/28/97	GL	DRAWN TS DATE 6/96			TITLE N PLUG TO SMA JACK ADAPTER
BB	09-1258	3/25/09	DC	APPROVED TS DATE 6/96			
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1100-7499-6250	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX OUNCES) _____ SMA, 32.0

● WITHDRAWAL (MIN. OUNCES) _____ SMA, 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ N, 30 - 35 IN. LBS.
SMA, 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65° c TO + 165° c)

SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)

VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)

MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b

CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)

BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (250 VRMS)

5. MATERIAL

BODIES & COUPLING NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.

INSULATORS _____ TEFLON PER ASTM-D-1710.

GASKET _____ SILICONE RUBBER PER ZZ-R-765.

6. FINISH

BODIES & COUPLING NUT _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 MIN. THK.) OVER NICKEL per QQ-N-290
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)

INSULATORS, RETAINING RING & GASKET _____ N/A