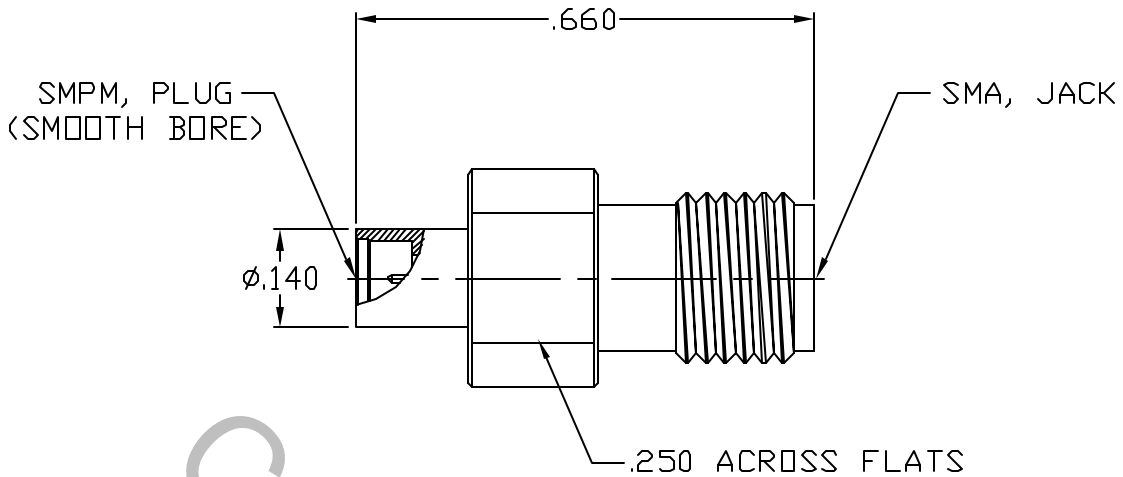


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 310.2 (SMA JACK) AND 328.3 (SMPM MALE)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX.)	_____	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.045 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	85 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

☛ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR .X ± .030 XX ± .010 XXX ± .005 ± 1/64 X° ± 1° 0' X° X' ± 15'	 INCORPORATED HAVERHILL, MA 01835
AA	05-1614	5/18/05	TS	SURFACE ROUGHNESS 63 ✓ MIL-STD 10.	TITLE SMA JACK, TO SMPM MALE FULL DETENT ADAPTER
				DRAWN TS DATE 5/18/05 APPROVED DC DATE 5/18/05	
				CODE IDENT. 2J899	SHEET 1 OF 2 DWG. NO. 1109-3199-6250

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX IN. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE (SMA, JACK) _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-85 °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 108, 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

BODY _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A

CENTER CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.

INSULATOR _____ TEFLON PER MIL-P-19463 AND L-P-403, TYPE 1.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A, TYPE 1.

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

INSULATOR _____ N/A