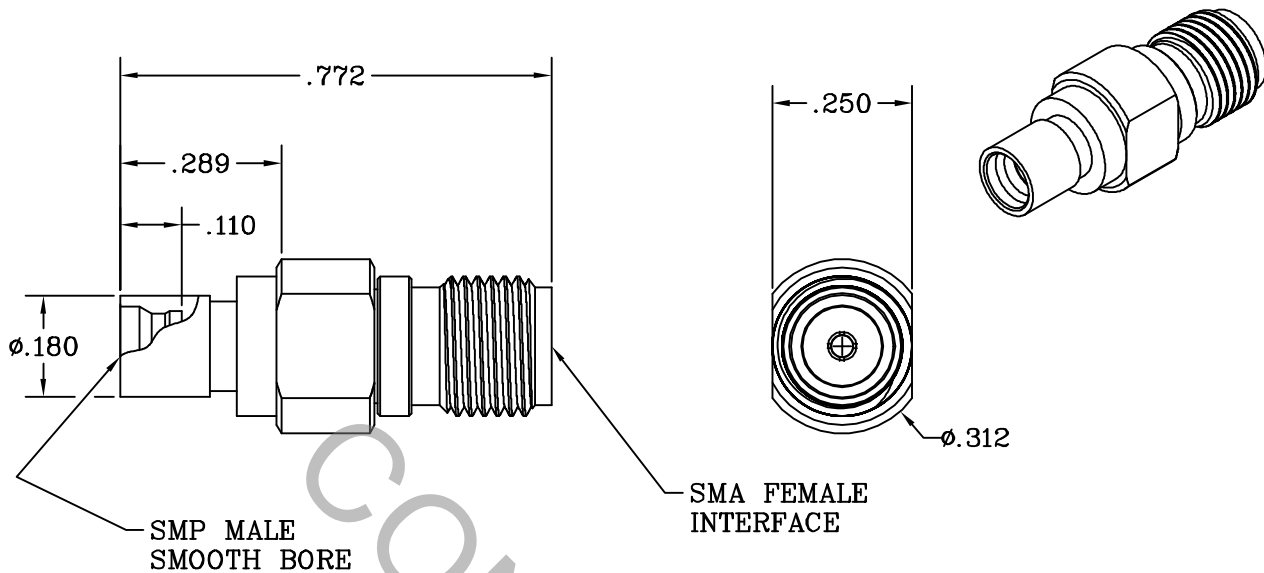


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPEC. MD-21-7 AND MD-99 (MIL-STD-348, Fig. 310-2 & 326-3).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz
VSWR (MAX.) *	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX.) *	.04 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	190
RF LEAKAGE (MIN. dB DOWN)	85 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
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	dynawave <small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	04-1633	5/14/04	DC	DECIMALS FRACTIONAL ANGULAR .X ± .030 X° ± 1° 0' .XX ± .010 † 1/64 X° X' ± 15' .XXX ± .005 SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.	
				DRAWN BN DATE 5/14/04	TITLE SMP, MALE (SMOOTH BORE) TO SMA, FEMALE ADAPTER
				APPROVED DC DATE 5/14/04	
				CODE IDENT. 2J899	DWG. NO. 1109-2199-6225
				SHEET 1 OF 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

SMA ENGAGEMENT FORCES

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

SMP

- FORCE TO ENGAGE _____ 10.0 LBS. MAX.
- FORCE TO DISENGAGE _____ 1.0 LBS. MIN.

CONNECTOR DURABILITY (MIN. MATING) _____ 500

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.) (125 VRMS)

5. MATERIAL

CENTER CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. HT
CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A
INSULATOR _____ TEFLON PER D 1457.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-55D, TYPE I
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER WOODS OR WATTS NICKEL
CENTER CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)
INSULATOR _____ N/A