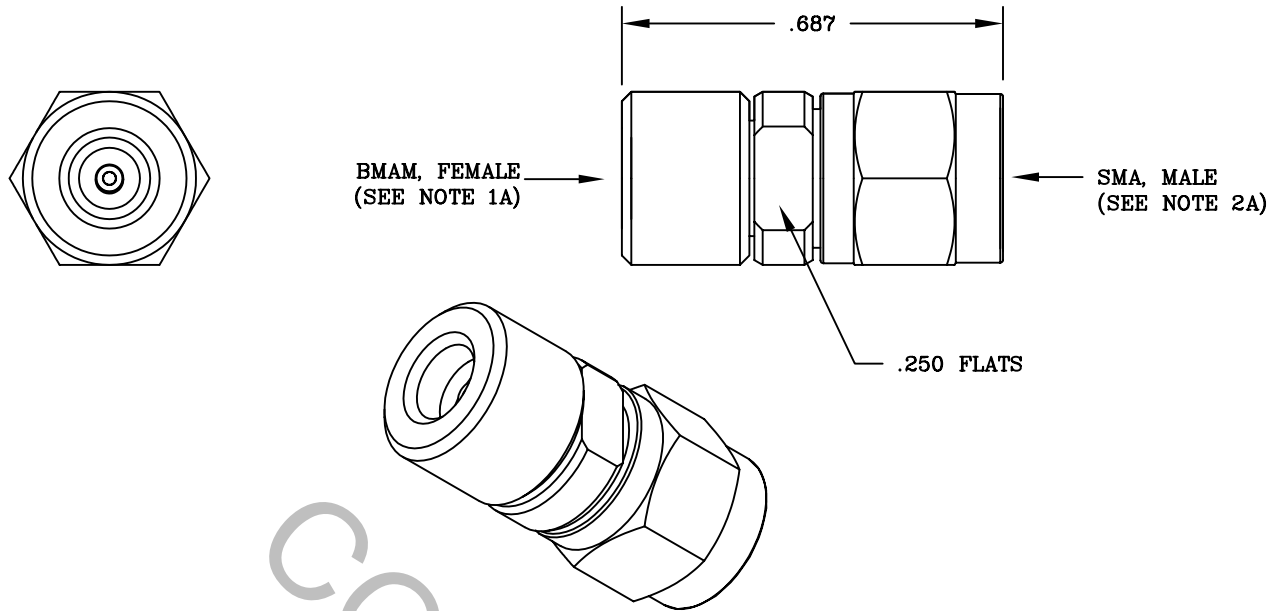


# SPECIFICATION CONTROL DRAWING



1. MATING
- 1A. INTERFACE DIMENSIONS PER DYNAWAVE MD-27.
  - 2A. INTERFACE DIMENSIONS PER MIL-STD-348, (Fig. 310-1)/SMA SERIES AND DYNAWAVE MD-98.

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX.) * (FULLY MATED)	_____	1.04 + .005 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.035 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO +165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* GATED DATA

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			dynawave INCORPORATED HAVERHILL, MA 01835
AA	03-2030	8/18/03	DC	DECIMALS .X + .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$ .			TITLE SMA, MALE TO BMAM FEMALE ADAPTER
				DRAWN BN	DATE 8/15/03		
				APPROVED DC	DATE 8/18/03		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1100-2798-6250	

# 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

### BMAM

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0
- WITHDRAWAL ( MIN. OUNCES) \_\_\_\_\_ 4.0

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ 500

SMA TORQUE SPECIFICATION \_\_\_\_\_ 7-10 IN-LB

## 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. ) ( 190 VRMS )

## 5. MATERIAL

CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY  
No. UNS C17300, TEMPER TD04.

CONNECTOR BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A

INSULATOR \_\_\_\_\_ TEFLON PER D 1457.

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER QQ-P-35A

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