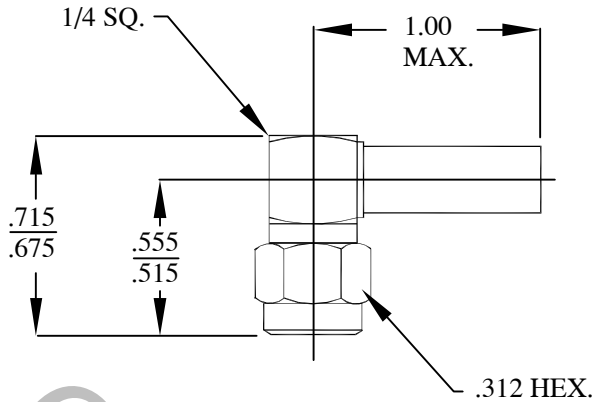


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS FOR SMA PLUG per MIL-STD-348 (Fig. 310-1). AND DYNAWAVE SPECIFICATION MD-98.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 12.4 GHz.
VSWR (MAX.) *	_____	1.04 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.045 dB x √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)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835	
AA	97-0430	7/7/97	DGG	DECIMALS .X ±.030 .XX ±.010 .XXX ±.005	FRACTIONAL ±/64	ANGULAR X ° ±1 0' X ° X' ±15'		
				SURFACE ROUGHNESS 63 √MIL-STD-10.				
				DRAWN	TS	DATE	7/7/97	TITLE SMA, PLUG RIGHT ANGLE, CRIMP ATTACHMENT FOR RG 316D/B CABLE
				APPROVED	DGG	DATE	7/7/97	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.	9801-1830-2400
				2J899				

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.0 LBS.
- MIN RADIAL TORQUE _____ 4.0 IN. OZ.

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ N/A
- WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR DURABILITY (MIN. MATING) _____ 1,000

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65° c TO + 200° 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

BODY AND COUPLING NUT _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196, COPPER ALLOY,
UNS-C-17800, TEMPER TD04.

CRIMP SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000 (ANNELED).

INSULATOR _____ TEFLON PER D-1457.

GASKET _____ SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60.

6. FINISH

BODY, COUPLING NUT AND CRIMP SLEEVE _____ GOLD per MIL-G-45204, TYPE I, GRADE C, CLASS 1
(.000050 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000150 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

CONTACT _____ GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR, GASKET AND RETAINING RING _____ N/A