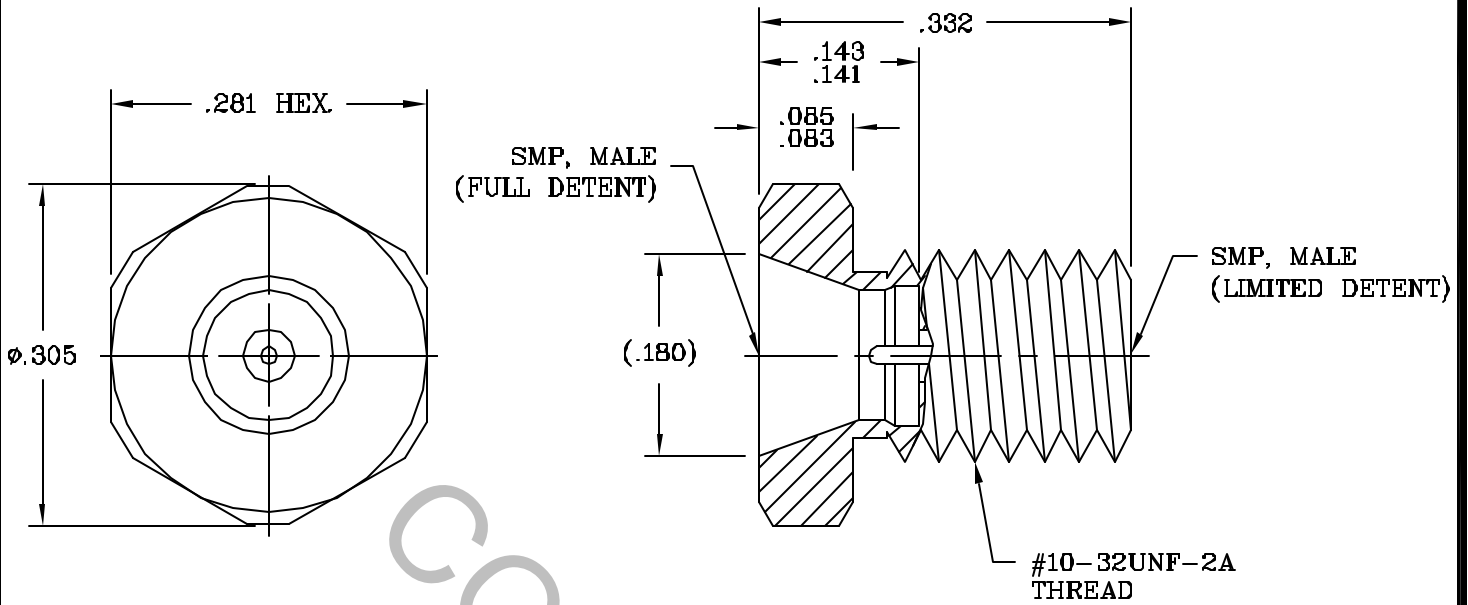


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMP, MALE (FULL DETENT) PER DYNAWAVE SPECIFICATION MD-21-SPECIAL.
 INTERFACE DIMENSIONS FOR SMP, MALE (LIMITED DETENT) per MIL-STD-348, Fig. 326-3 AND PER DYNAWAVE SPECIFICATION MD-21-7.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 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)	_____	190
RF LEAKAGE (MIN. dB DOWN)	_____	85 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +200° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	10.0
• 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	03-1674			DECIMALS FRACTIONAL ANGULAR $X \pm .030$ $\pm /64$ $X^\circ \pm 1' 0''$ $XX \pm .010$ $X^\circ X' \pm 15''$ $XXX \pm .005$	TITLE SMP MALE (FD) TO SMP MALE (LD) HERMETIC THREAD IN ADAPTER
				SURFACE ROUGHNESS 63 \checkmark MIL-STD 10. DRAWN G.E. DATE 5/19/03 APPROVED DATE	
				CODE IDENT. 2J899	DWG. No. 1130-2121-6289 SHEET 1 OF 2

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX AXIAL FORCE _____ 4.5 LBS.
- MAX RADIAL TORQUE _____ 2.5 IN. OZ.

CENTER CONTACT AXIAL FORCES

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

CONNECTOR ENGAGEMENT & DISENGAGEMENT (MAX IN. LBS.) _____ N/A

CONNECTOR DURABILITY (MIN. CYCLES) _____ N/A

RECOMMENDED MATING TORQUE _____ 25 TO 26 INCH LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-85 ° 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.) (190 VRMS)
LEAK RATE _____ 1×10^{-8} cc/sec

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM A 561, TYPE 305, COND. A
CONTACT _____ KOVAR: IRON NICKEL ALLOY PER MIL-I-23011
GLASS _____ CORNING 7070 OR EQUIVALENT

6. FINISH

BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE 2
CONTACT _____ GOLD PER ATSM 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.).
GLASS _____ N/A