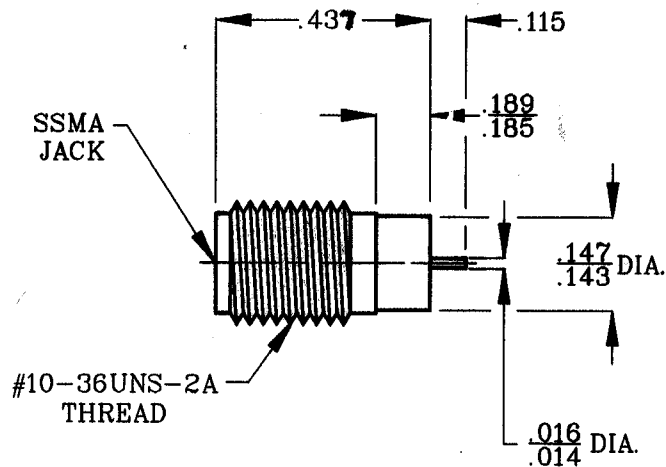


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-97.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz.
VSWR (MAX) ●	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX) ●	.05 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)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
● CENTER CONTACT (MAX. MILLIOHMS)	15.0
● OUTER CONTACT (MAX. MILLIOHMS)	2.0

● TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
—	1123	11/94	T.S.	.X ± .030 .XX ± .010 .XXX ± .005	±1/64	X° ± 1'0" X° X' ± 15'	TITLE SSMA, JACK SOLDER-IN HERMETICALLY SEALED
				DRAWN	T.S.	DATE 11/94	
				APPROVED		DATE 11/94	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9740-0431-6415
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX AXIAL FORCE _____ 4.5 LBS.
MAX. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ 40.0
● WITHDRAWAL (MIN. OUNCES) _____ 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RECOMMENDED MATING TORQUE
● INTERFACE _____ 6 - 8 IN. LBS.
● PACKAGE _____ 17 - 20 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.) (190 VRMS)
HERMETICITY _____ 1×10^{-8} cc/SEC.

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER T04.
INSULATOR _____ TEFLON PER ASTM D 4894
GLASS PIN _____ KOVAR PER MIL-I-23011
GLASS _____ CORNING 7070

6. FINISH

CONNECTOR BODY AND GLASS PIN _____ GOLD PER MIL-G-45204, TYPE I, GRADE C, CLASS 1, OVER
NICKEL PER QQ-N-290, (.00010 MIN. THK.)
CENTER 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 AND GLASS _____ N/A

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SHEET 2 OF 2

DWG.
NO.

9740-0431-6415

REV.

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