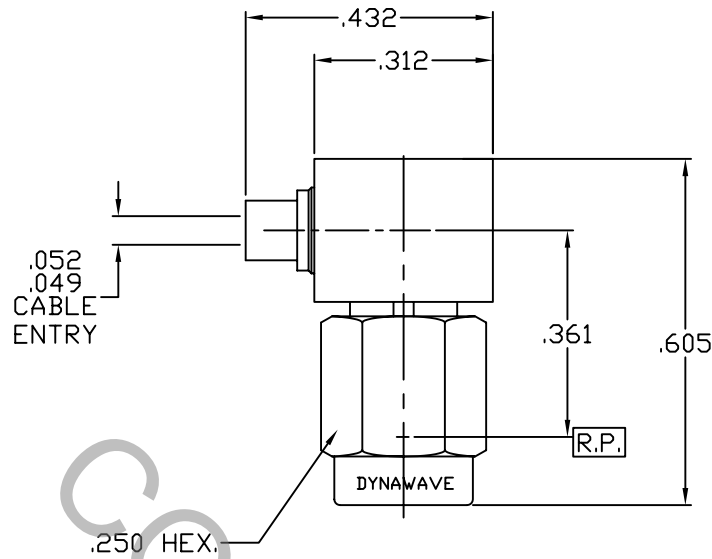


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SSMA PLUG per MIL-STD-348 (Fig. 319.1).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX.) *	_____	1.04 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.045 dB x √FGHz.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	190
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

*TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA. 01835
AA	08-2011	11/24/08	TS	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 11/24/08	TITLE SSMA, PLUG RIGHT ANGLE DIRECT SOLDER TO .047 S.R. CABLE
				APPROVED	DC	DATE 11/24/08	
				CODE IDENT.			DWG. NO. 9201-4725-6200
				2J899	SHEET 1 OF 2		

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) _____ 48.0 (CABLE ENTRY)
- WITHDRAWAL (MIN. OUNCES) _____ 2.0 (CABLE ENTRY)

CONNECTOR DURABILITY (MIN. MATING) _____ 500

RECOMMENDED MATING TORQUE _____ 5-7 IN. LBS.

4. ENVIRONMENTAL

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

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

BODY AND COUPLING NUT _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND A.

CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B196/B, 196M-03, COPPER ALLOY UNS C 17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

GASKET _____ SILICONE RUBBER per ZZ-R-765
CLASS IIB, GRADE 50 or 60.

6. FINISH

BODY _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550.
(.000010 MIN. THK.).

COUPLING NUT _____ PASSIVATED PER AMS QQ-P-35, TYPE 2.

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.0
(.00010 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550.
(.000010 MIN. THK.).

INSULATOR, GASKET AND RETAINING RING _____ N/A