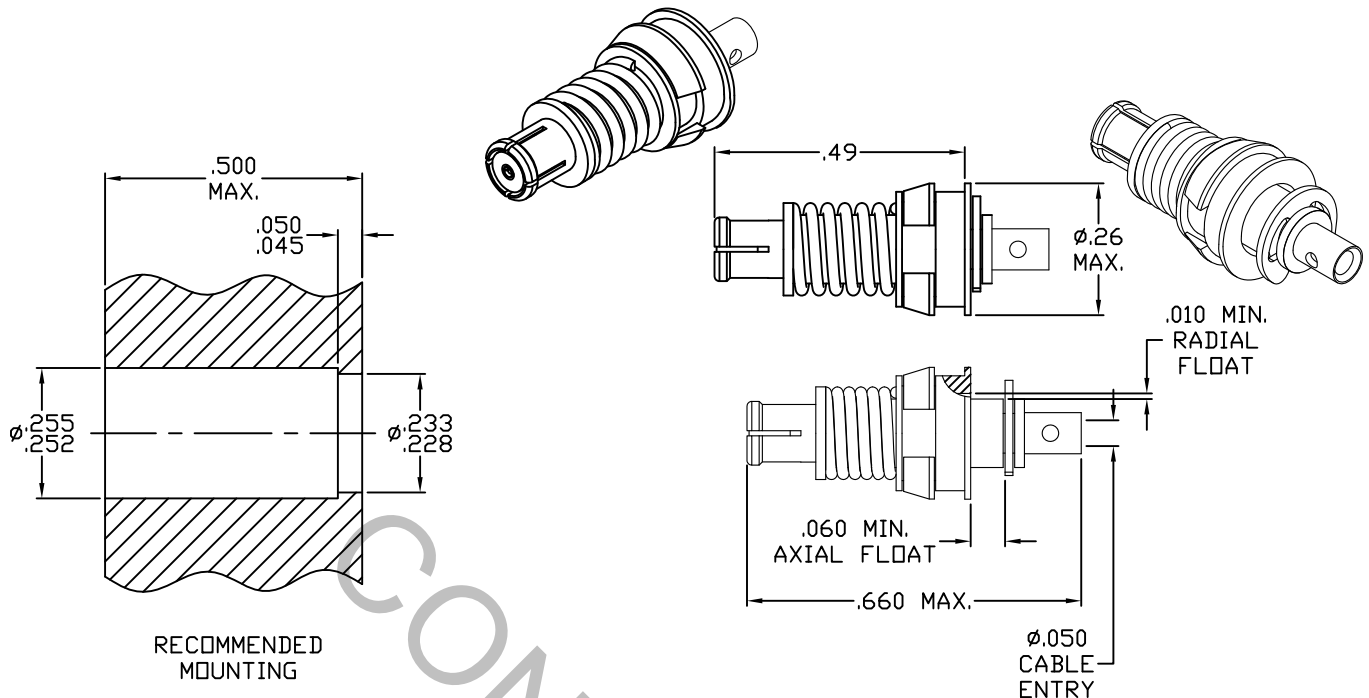


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 326.1 (SMP FEMALE).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX) *	_____	1.15 + .010 x FGHz
INSERTION LOSS (dB MAX) *	_____	.05 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	170
RF LEAKAGE (MIN. dB DOWN)	_____	-65 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	2,500
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	05-1541	5/2/05	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1° 0' X ° X' ± 15'	TITLE SMP FEMALE FLOAT MOUNT DIRECT SOLDER TO ø.047 SEMI-RIGID CABLE
AB	09-1401	5/13/09	DC				
AC	16-1521	4/25/16	DC	DRAWN TS	DATE	5/2/05	
				APPROVED DC	DATE	5/2/05	
				CODE IDENT.			DWG. NO. 2060-4720-5455
				2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ N/A

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0 ENGAGE, 0.50 DISENGAGE, SMOOTH BORE

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500, SMOOTH BORE

EXTRACTION TOOL _____ 9-20028

4. ENVIRONMENTAL

THERMAL SHOCK _____ MIL-STD-202, METHOD 107, COND. B (-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.) (125 VRMS)

5. MATERIAL

SPRING _____ STAINLESS STEEL PER ASTM-A-313, TYPE 302 OR AMS 5688

FERRULE _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT, BODY AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.

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

E-RING _____ STAINLESS STEEL PER AISI 632 - AMS 5520

6. FINISH

RETAINING RING _____ NICKEL per QQ-N-290, CLASS 1
(.000200 MIN.THK.) OVER COPPER per MIL-C-14550
(.000010 MIN.THK.).

E-RING _____ NICKEL per MIL-C-06274, CLASS 1
(.000100 MIN.THK.) OVER COPPER per MIL-C-14550, CLASS 4
(.000100 MIN.THK.) OVER WOODS OR WATTS NICKEL
(.000010 MIN.THK.).

FERRULE & SPRING _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.

BODY _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290
(.000100 MIN. THK.) OVER COPPER per MIL-C-14550
(.000040 MIN. THK.)

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)

INSULATORS _____ N/A