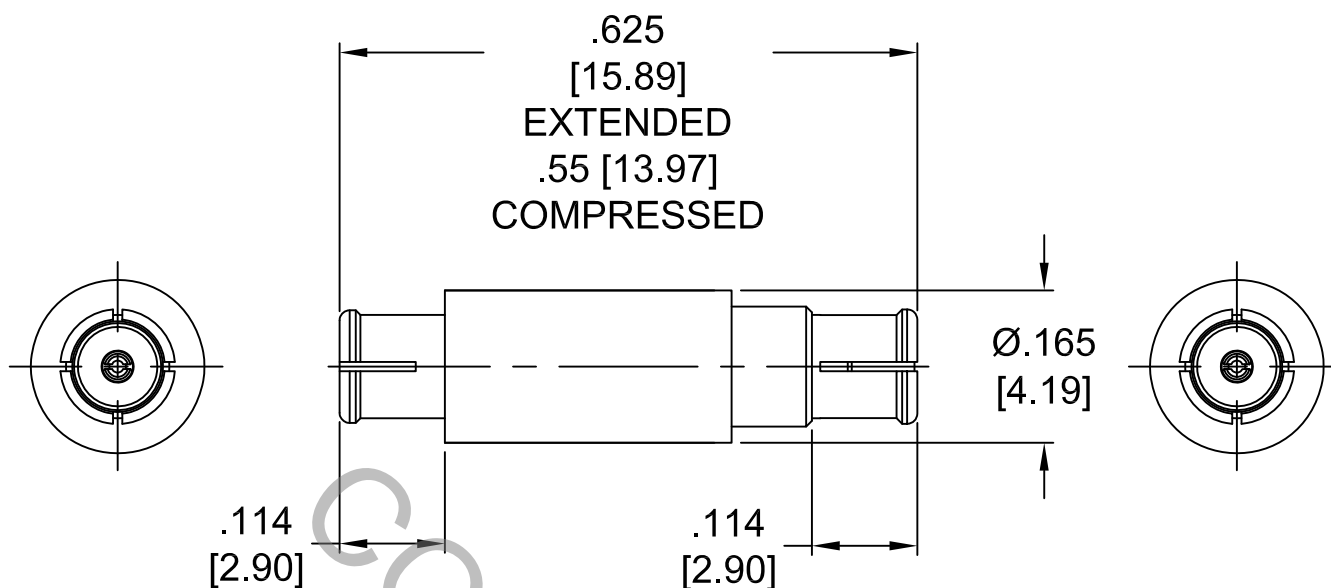


# SPECIFICATION CONTROL DRAWING



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


## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX.) *	_____	1.12 + .015 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.15 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	150
RF LEAKAGE (MIN. dB DOWN)	_____	-65 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	450
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
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
AA	15-1160	2/3/15	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1° 0' X ° X' ± 15'	
				DRAWN TS	DATE 2/3/15	TITLE SMP FEMALE TO SMP FEMALE FLOATING ADAPTER	
				APPROVED DC	DATE 2/3/15		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1160-2020-5412	

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE \_\_\_\_\_ 2.5 LBS.

MAX RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 1.0

CONNECTOR ENGAGEMENT (MAX. IN LBS.) \_\_\_\_\_ 15.0 FULL DETENT, 10.0 LIMITED DETENT, 2.0 SMOOTH BORE

CONNECTOR DISENGAGEMENT (MAX. IN LBS.) \_\_\_\_\_ 5.0 FULL DETENT, 2.0 LIMITED DETENT, 0.5 SMOOTH BORE

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 100 FULL DETENT, 250 LIMITED DETENT, 500 SMOOTH BORE

CONNECTOR AXIAL SPRING FORCES \_\_\_\_\_ 1.5 MIN. PRELOAD, COMPRESSED 4.0 MAX

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -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. ) ( 110 VRMS )

## 5. MATERIAL

BODIES AND CONTACTS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

SPRING \_\_\_\_\_ STAINLESS STEEL PER AMS 5688, TYPE 302, SPRING TEMPER

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

## 6. FINISH

BODIES & CONTACTS \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27  
(.000050 MIN. THK) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1  
(.000100 MIN. THK) OVER COPPER PER AMS 2418 (.000040 MIN. THK.)

SPRING \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

INSULATORS \_\_\_\_\_ N/A