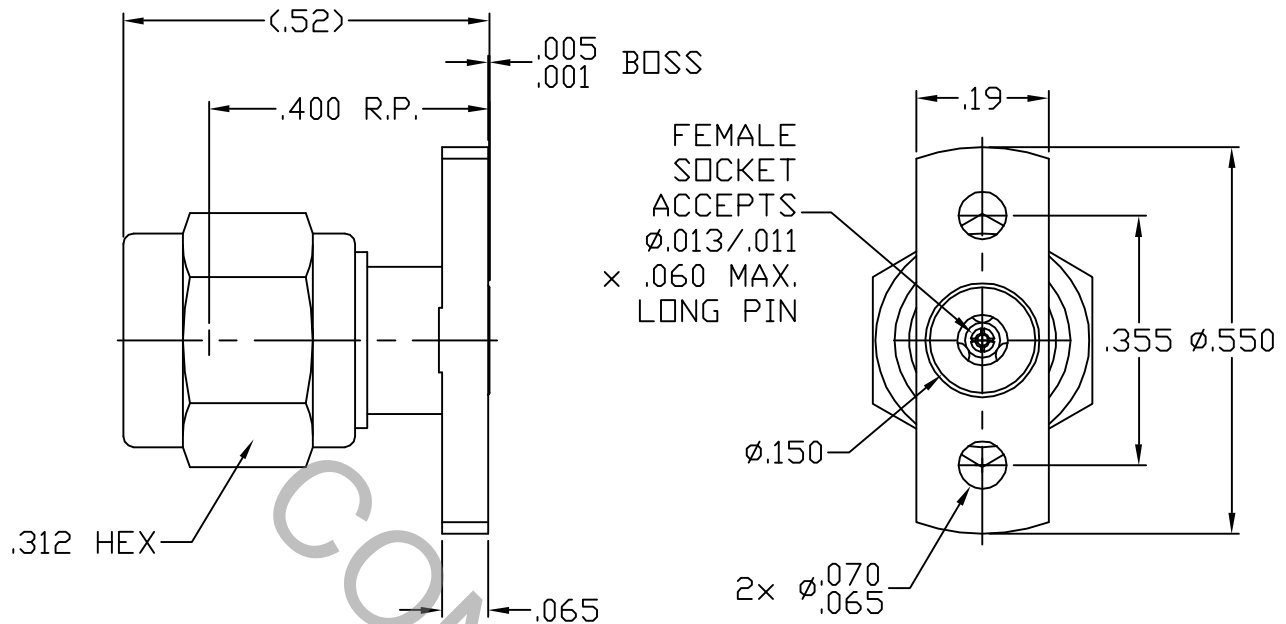


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS per MIL-STD-348 Fig. 323.1 (SMK PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.) *	_____	1.05 + .01 x FGHz
INSERTION LOSS (dB MAX.)	_____	.03 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 °c TO + 125 °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			 <small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	08-1172	2/14/08	DC	DECIMALS .X +.030 .XX +.010 .XXX ±.005	FRACTIONAL ± 1/64	ANGULAR X° ± 1'0" X° X' ± 15'	
				DRAWN: DC DATE: 2/14/08		TITLE 2.92mm PLUG, 2 HOLE FLANGE FIELD REPLACEABLE ACCEPTS Ø.012 DIA. PIN	
				APP.: DC DATE: 2/14/08			
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 9452-0085-6213	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT	
MAX. AXIAL FORCE	6.0 LBS.
MAX. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES	
● INSERTION (MAX. OUNCES)	INTERFACE AND REAR 32.0
● WITHDRAWAL (MIN. OUNCES)	INTERFACE 2.0, REAR 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL-STD-202, METHOD 102, COND. C (-65 °C TO + 125 °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)

5. MATERIAL

CONNECTOR BODY & C/NUT	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACT & RETAINING RING	BERYLLIUM COPPER PER ASTM-B-196, COPPER ALLOY AMS C17300, TEMPER TD04.
INSULATOR	PLASTIC COMPOSIT
GASKET	SILICONE
SLEEVE	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

6. FINISH

BODY & COUPLING NUT	PASSIVATE PER AMS QQ-P-35, TYPE 2
CONTACT	GOLD per ASTM-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.).
CONTACT	GOLD per ASTM-B-488, TYPE I, CODE C, CLASS .75 (.000030 Min. Thk.) OVER NICKEL per QQ-N-290 (.000050 Min. Thk.) OVER COPPER per MIL-C-14550 (.000010 Min. Thk.).
INSULATOR, RETAINING RING & GASKET	N/A