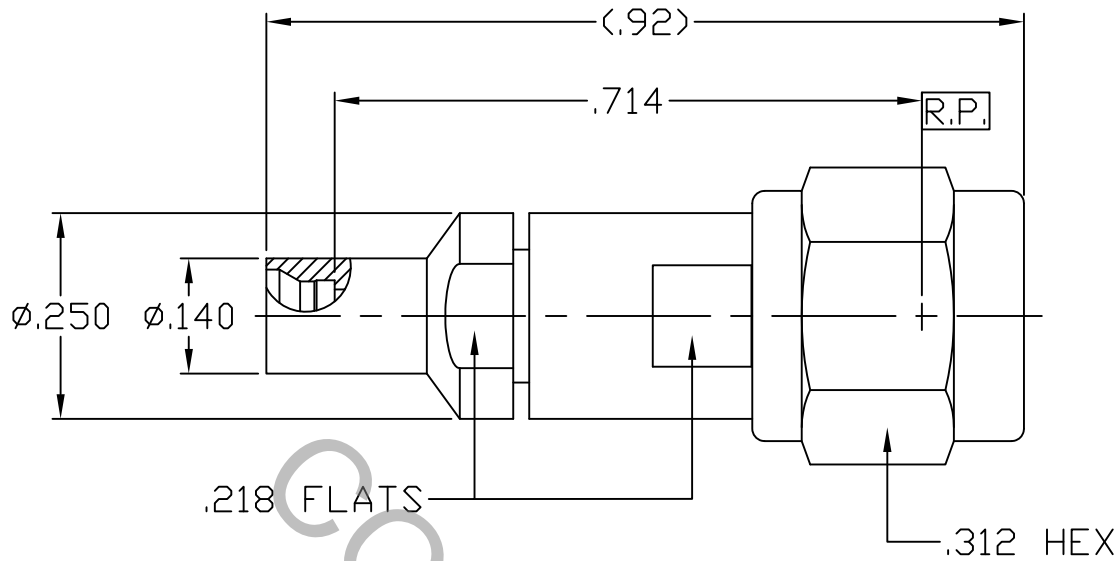


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 323.1 (SMK PLUG) AND Fig. 328.2 (SMPM MALE, FULL DETENT).


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.) DC TO 26.5 GHz. *	_____	1.05 + .005 x FGHz.
VSWR (MAX.) 26.5 TO 40.0 GHz. *	_____	1.05 + .010 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.045 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	150
RF LEAKAGE (MIN. dB DOWN)	_____	-90 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 125°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	425
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	2,500
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	4.0

* TERMINATED IN A 50 OHM LOAD

RoHS

This Document contains proprietary and confidential information. **COMPLIANT**

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835		
AA	07-1858	8/27/07	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1° 0' X ° X' ± 15'	TITLE SMPM MALE (FD) TO 2.92mm PLUG ADAPTER		
				DRAWN DC	DATE 8/27/07	DWG. NO. 1100-3194-6250			
				APPROVED DC	DATE 8/27/07				
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1100-3194-6250			

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) _____ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

SMPM ENGAGEMENT/DISENGAGEMENT (MAX LBS.)

● ENGAGEMENT _____ DETENT, 6.5

● DISENGAGE _____ DETENT, 5.0

CONNECTOR DURABILITY (MIN. CYCLES)

● 2.92mm PLUG _____ 500

● SMPM, MALE _____ 100

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.) (100 VRMS)

5. MATERIAL

BODIES & COUPLING NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACTS & RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

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

GASKET _____ SILICONE RUBBER PER ZZ-R-765.

2.92 BEAD _____ PLASTIC COMPOSIT

6. FINISH

BODIES & COUPLING NUT _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CONTACTS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)

INSULATORS, GASKET & RETAINING RING _____ N/A