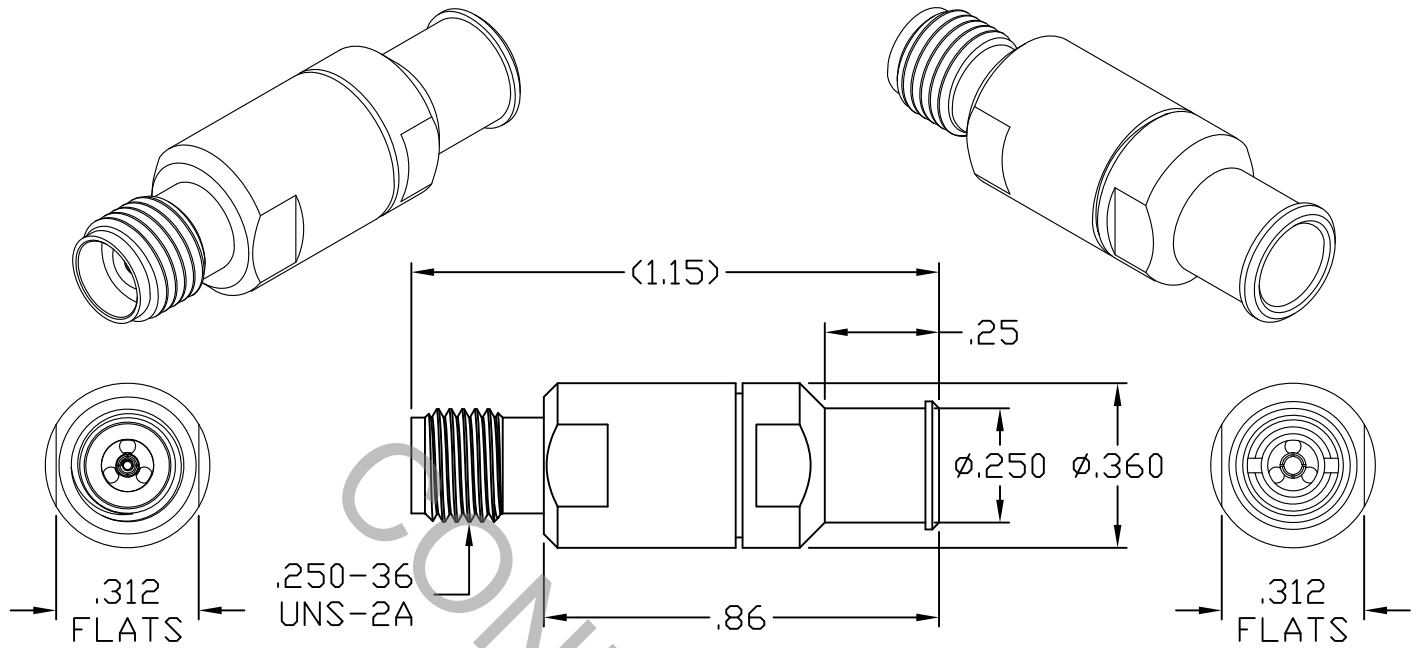


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 323.2 (SMK JACK).


2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz
VSWR (MAX.) *	1.04 + .005 x FGHz
INSERTION LOSS (dB MAX.) *	.05 dB x √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)	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	14-1184	2/11/14	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1° 0'	TITLE 2.92mm JACK, SOLDER CLAMP, PLUG-IN CONTACT, DF240W LOW LOSS
				.XX ± .010	± 1/64	X ° X' ± 15'	
				.XXX ± .005			DWG. NO. 9500-240W-6240
				DRAWN RMS	DATE 2/11/14		
				APPROVED DC	DATE 2/11/14		
				CODE IDENT.			
				6DZL5	SHEET 1 OF 2		

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) _____ 32.0
 ● WITHDRAWAL (MIN. OUNCES) _____ 2.0
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
 CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
 RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.
 RECOMMENDED MOUNTING TORQUE _____ 18 - 22 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, 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

BODY, BUSHING, CLAMP NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
 CONTACTS _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
 INSULATOR BEAD _____ CROSS LINKED POLYSTYRENE (200° C).
 SOLDER SLEEVE _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.
 O-RING _____ SILICONE RUBBER PER ZZ-R-765.

6. FINISH

BODY, BUSHING, CLAMP NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
 SOLDER SLEEVE _____ 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 (.000150 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)
 CONTACTS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL per SAE AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER per AMS-2418 (.000010 MIN. THK.)
 INSULATOR & O-RING _____ N/A