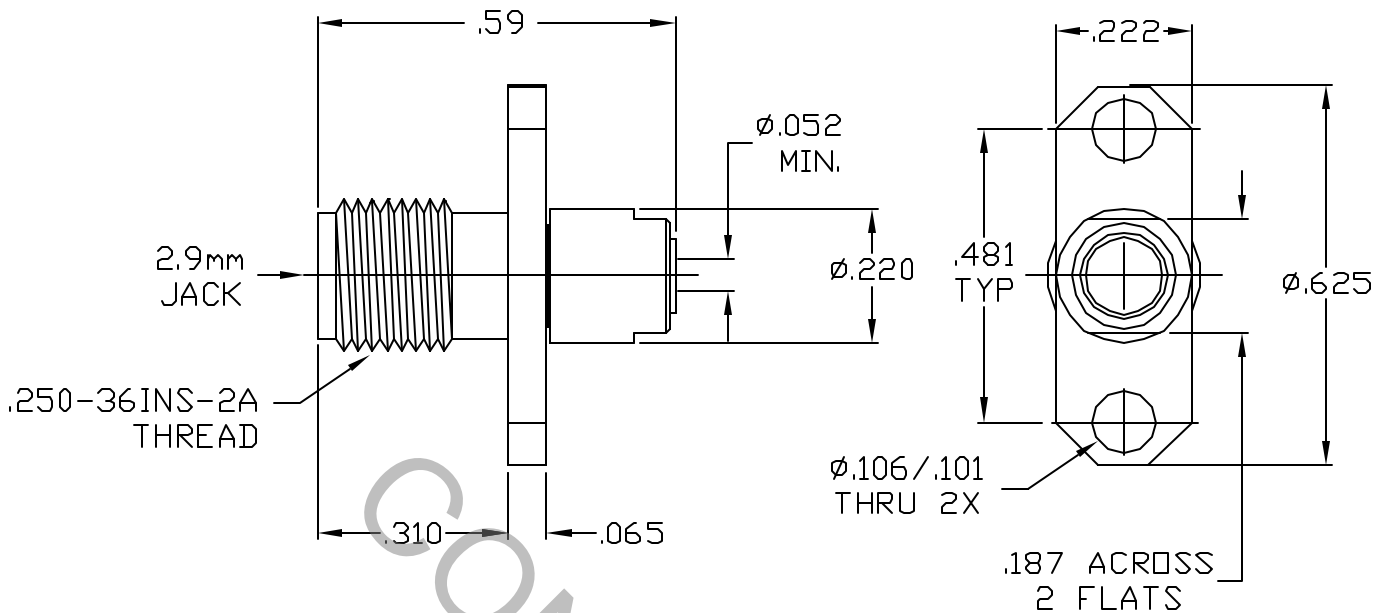


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 323.2 (2.92 JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz
VSWR (MAX.) *	1.15 + .010 x FGHz
INSERTION LOSS (dB MAX.)	.08 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 + 150° 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

* GATED TEST DATA

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA 01836
AA	07-1036			DECIMALS X ± .030 XX ± .010 XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1° 0' X° X' ± 10'	
				DRAWN: TS DATE: 1/11/07			TITLE 2.9mm, JACK, 2 HOLE FLG. SOLDER-CLAMP FOR .047 SEMI-RIGID CABLE
				APP.: DC DATE: 1/11/07			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9552-4741-6200

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 48.0
• WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

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 (-85° o TO +165° o)
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 106, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

CONNECTOR BODY, BUSHING & CLAMP NUT _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A
CENTER CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER ASTM B198/B 198M-03, COPPER ALLOY
No. UNS 17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE1, CLASS B.
SOLDER-CLAMP _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C86000

6. FINISH

CONNECTOR BODY, BUSHING & CLAMP NUT _____ PASSIVATE PER AMS QQ-P35, TYPE 2.
CENTER CONTACT & SOLDER CLAMP _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.26
(.000050 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000150 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).
INSULATOR _____ N/A