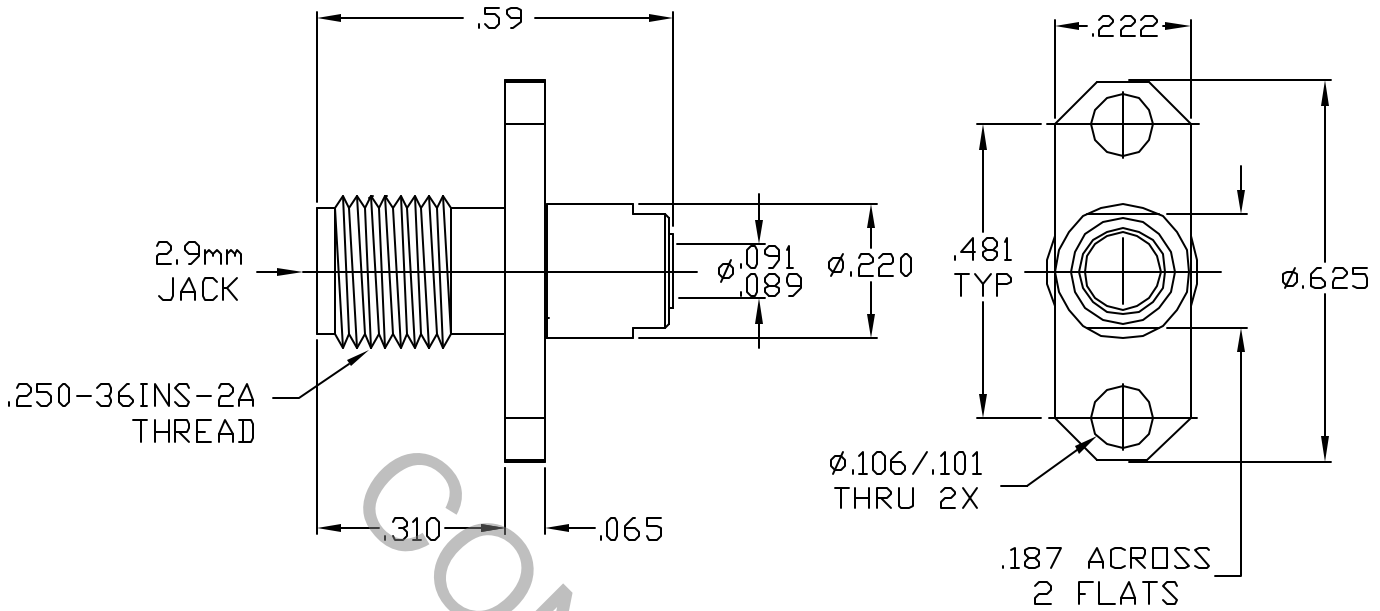


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS FOR 2.9mm, JACK per DYNAWAVE MD-95.

2. ELECTRICAL

| | |
|---|-------------------------------|
| FREQUENCY RANGE GHz | DC TO 40.0 GHz |
| VSWR (MAX.) * | 1.10 + .010 x FGHz |
| INSERTION LOSS (dB MAX.) | .04 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 | | |  Haverhill, MA 01835 |
|------|---------|------|------|---|----------------------|--------------------------------------|--|
| AA | 02-0432 | | | DECIMALS X ± .030 XX ± .010 XXX ± .005 | FRACTIONAL ± 1/64 | ANGULAR X° ± 1° D' X' X' ± 15' | |
| | | | | DRAWN: | DATE: | | |
| | | | | APP.: | DATE: | | |
| | | | | CODE IDENT. 2J899 | SHEET 1 OF 2 | DWG. NO. 9552-8541-6400 | |

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 AMS-5640, TYPE 303, COND. A

CENTER CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.

INSULATOR _____ TEFLON

SOLDER-CLAMP _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

6. FINISH

CONNECTOR BODY, BUSHING

AND CLAMP NUT _____ GOLD per ATSM B 488, TYPE 2, CODE C, CLASS 1.25
(.000050 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000150 Minimum Thickness) OVER
NICKEL (WOODS OR WATTS), (.000010 Minimum Thickness).

CENTER CONTACT & SOLDER CLAMP _____ GOLD per MIL-C-45204, TYPE II, GRADE C, CLASS 2
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR _____ N/A