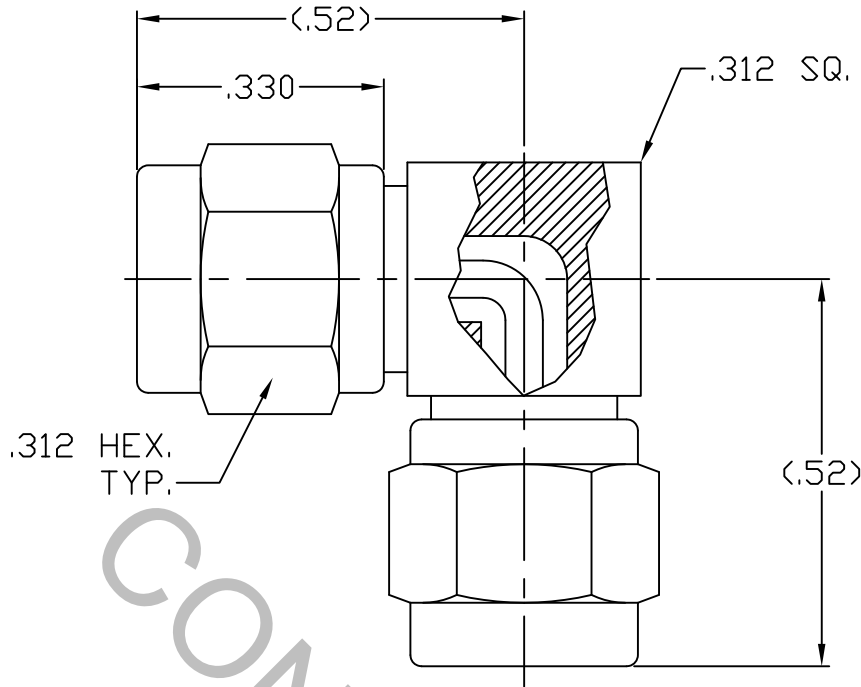


SPECIFICATION CONTROL DRAWING



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


2. ELECTRICAL

| | | |
|---|-------|--------------------------------|
| FREQUENCY RANGE GHz | _____ | DC TO 40.0 GHz |
| VSWR (MAX) * | _____ | 1.10 + .010 x FGHz |
| INSERTION LOSS (dB MAX) * | _____ | .065 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) | _____ | 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 | 15-1515 | 4/3/15 | TS | DECIMALS .X ± .030 .XX ± .010 .XXX ± .005 | FRACTIONAL ± 1/64 | ANGULAR X ° ± 1° 0' X ° X' ± 15' | |
| | | | | DRAWN TS | DATE | 4/3/15 | TITLE 2.92mm PLUG TO 2.92mm PLUG, RIGHT ANGLE ADAPTER |
| | | | | APPROVED DC | DATE | 4/3/15 | |
| | | | | CODE IDENT. 2J899 | SHEET 1 OF 2 | | DWG. NO. 1101-9494-6202 |

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 32.0

● 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 (-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

BODIES, CUBE & COUPLING NUTS _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

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

INSULATORS _____ PLASTIC COMPOSIT

GASKETS _____ SILICONE RUBBER PER ZZ-R-765

6. FINISH

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

CONTACTS _____ GOLD PER ASTM B 488, TYPE II, CODE C, CLASS 1.27
(.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, GASKETS & RETAINING RINGS _____ N/A