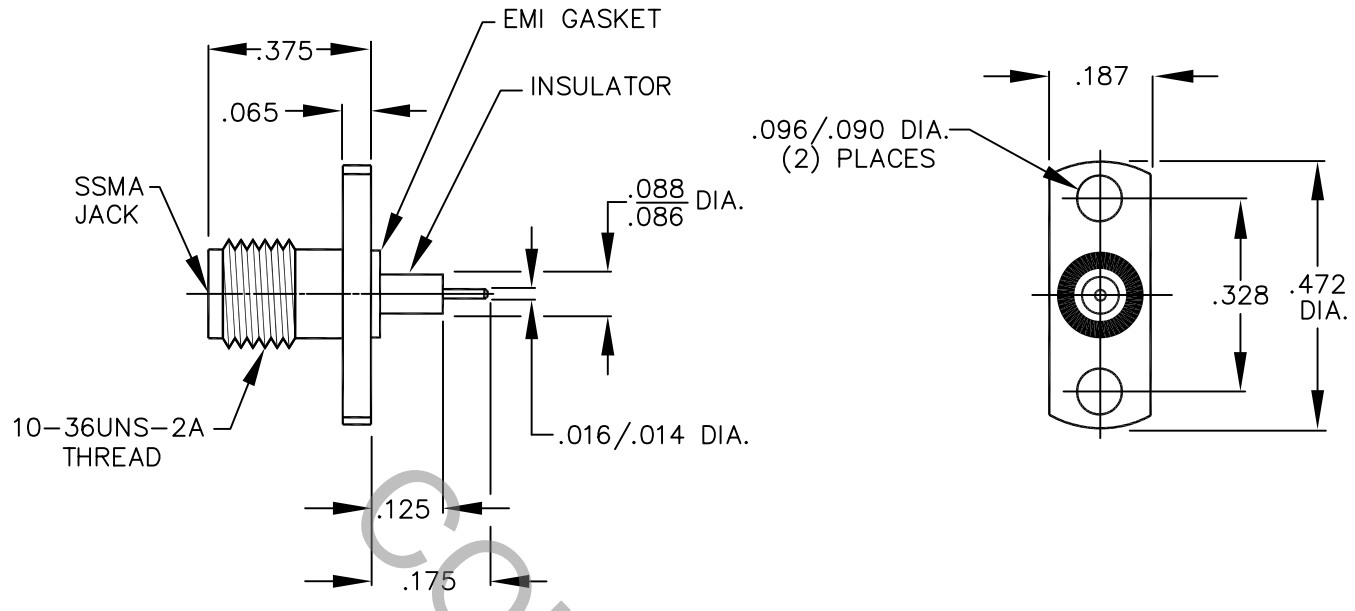
SPECIFICATION CONTROL DRAWING



1. MATING

INTERFACE DIMENSIONAS PER MIL–STD–348A, (Fig. 319.2), SSMA, JACK AND DYNAWAVE SPECIFICATION MD–97.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 38.0 GHz
VSWR (MAX.) ❋	1.06 + .008 x FGHz
INSERTION LOSS (dB MAX.) ❋	.035 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 + 165 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
–	911	1/93	T.S.
A	914	1/93	T.S.
B	1151	5/95	T.S.

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	±1/64	X °±1 0' X ° X' ±15'

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN	T.S.	DATE	1/93
APPROVED		DATE	1/93

TITLE
FIELD REPLACEABLE, SSMA, JACK, 2 HOLE FLANGE .328 HOLE SPACING

CODE IDENT.	SHEET 1 OF 2	DWG. NO.
2J899		9752–0732–6200

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

MAX.AXIAL FORCE ——— 4.5 LBS.

MAX. RADIAL TORQUE ——— 2.5 IN. OZ.

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

4. ENVIRONMENTAL

TEMPERATURE CYCLING ——— MIL–STD–202, METHOD 102, COND. C (–65 °c TO + 200°)

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 M/RMS)

5. MATERIAL

BODY ——— STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.

CONTACT ——— BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY No. UNS C17300, TEMPER TD04.

INSULATOR ——— TEFLON PER ASTM D 4894.

EMI GASKET ——— SILVER PLATED ALUMINUM IN SILICONE RUBBER

6. FINISH

BODY ——— PASSIVATE PER QQ–P–35A, TYPE I

CONTACT ——— **GOLD per MIL–G–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 Thickess).**

INSULATOR & EMI GASKET ——— N/A

dynawave® INCORPORATED	SHEET 2 OF 2	DWG. NO. 9752–0732–6200	REV. B