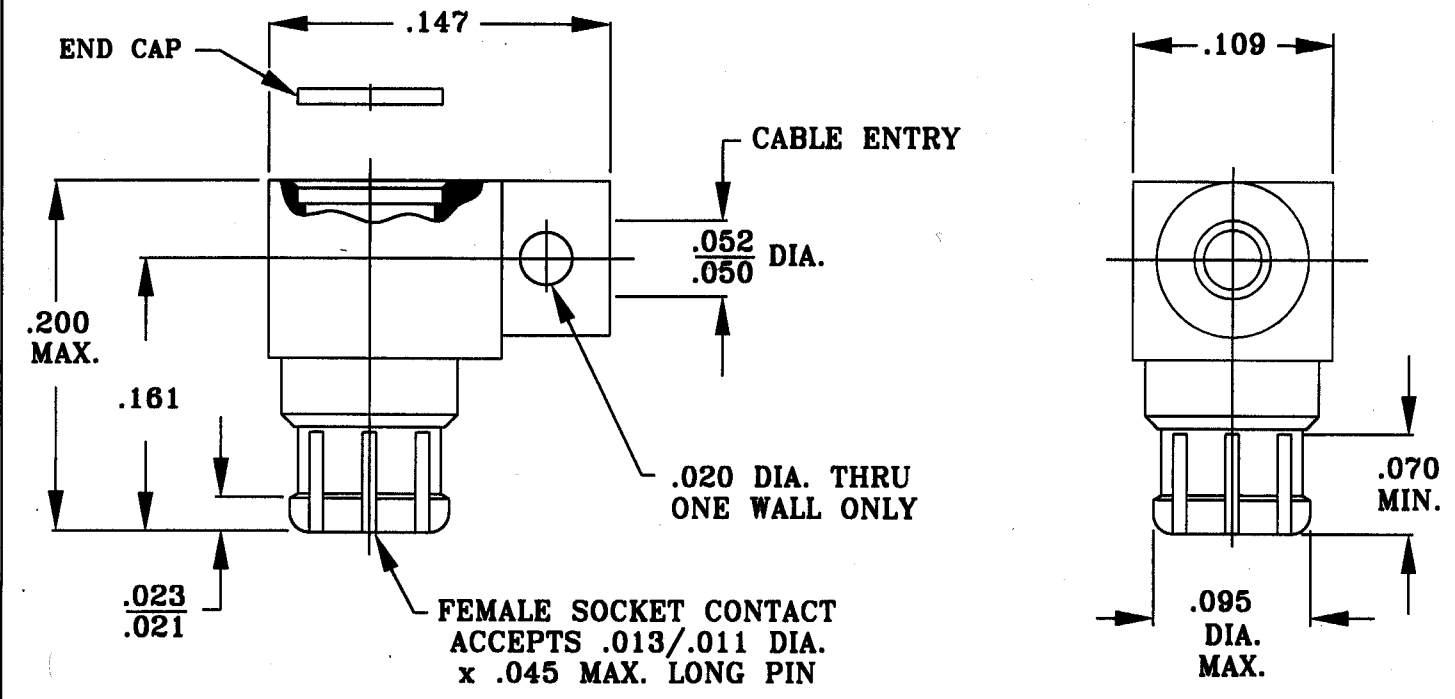


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 328.1 AND DYNAWAVE SPECIFICATION MD-30.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) *	1.50
INSERTION LOSS (dB MAX.)	.12 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	65 dB
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
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			 INCORPORATED HAVERHILL MA. 01835
AA	03-1133	2/5/03	DGG	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1° 0' X° X' ± 15'	
				DRAWN	G.E.	DATE 2/3/03	TITLE SMPM, FEMALE R/A, DIRECT SOLDER TO .047 S.R. CABLE
				APPROVED	DGG	DATE 2/5/03	
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 3001-4720-5444

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE 1.5 LBS.
- MIN. RADIAL TORQUE N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX LBS.) 4.0 *
- WITHDRAWAL (MIN. LBS.) 1.5 *

CONNECTOR DURABILITY (MIN. CYCLES) 100*

*FULL DETENT SHROUD

4. ENVIRONMENTAL

TEMPERATURE CYCLING MIL-STD-202, METHOD 102, COND. C (-85 ° c TO + 165 ° 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 106, COND. C (70,000 FT.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY, CENTER CONTACT, BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
INSULATOR TEFLON PER ASTM D 4894-91
CAP BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

6. FINISH

CONNECTOR BODY AND CAP GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.75
(.000030 - .000050 THK.) OVER NICKEL PER MIL-P-27418
(.00010 MIN. THK.) OVER NICKEL (WOODS OR WATTS),
(.000010 MIN. THK.).
CENTER CONTACT GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.75
(.000030 - .000055 THK.) OVER NICKEL PER QQ-N-290,
CLASS 1, (.000050 - .000075 THK.) OVER COPPER PER
MIL-C-14550, (.000010 MIN. THK.).
INSULATOR N/A



SHEET 2 OF 2

DWG. NO. 3001-4720-5444

REV. AA