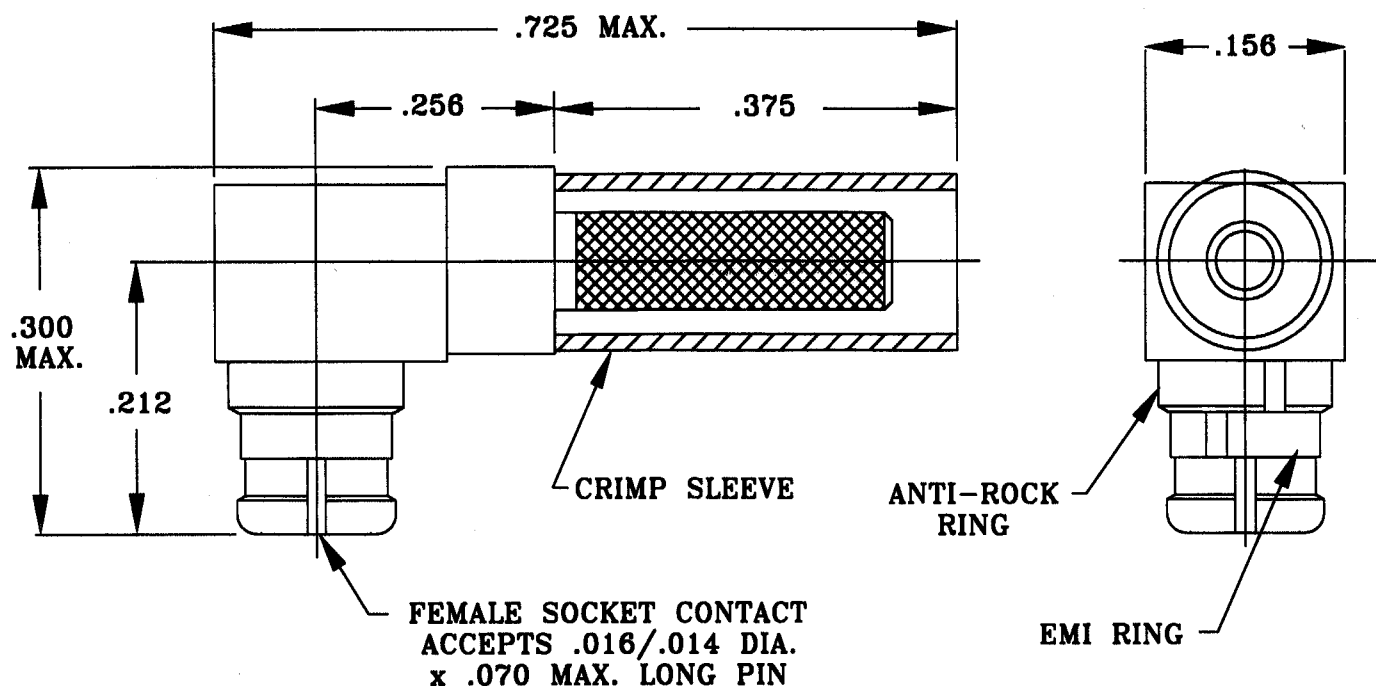


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD 348, Fig. 326-1.
AND DYNAWAVE SPECIFICATION MD-20-8.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 12.5 GHz.
VSWR (MAX.) *	1.35
INSERTION LOSS (dB MAX.)	.12 dB x $\sqrt{FGHz}$.
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

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA. 01835
AA	00-1095	8/22/00	DGG	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	
BA	00-1292	11/17/00	DGG				
				DRAWN	KLF	DATE	TITLE SMP, JACK, R/A CRIMP ATTACHMENT TO RG 178/U CABLE
				APPROVED	DGG	DATE	
				CODE IDENT.			DWG. NO. 2001-7830-5444
				2J899		SHEET 1 OF 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. LBS.) _____ 15.0
- WITHDRAWAL (MIN. LBS.) _____ 5.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 100

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 185 ° 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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY, CENTER CONTACT, _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
ANTI-ROCK RING AND EMI RING
CAP AND CRIMP SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
INSULATOR _____ TEFLON PER ASTM D 4894-91
SHRINK TUBING _____ CANUSA CPX-300

6. FINISH

CONNECTOR BODY, CENTER CONTACT, _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 1 (.000050 MIN.)
ANTI-ROCK RING, EMI RING, CRIMP SLEEVE _____ OVER NICKEL PER QQ-N-290 CLASS 1 (.00015 MIN.)
AND CAP
INSULATOR AND SHRINK TUBING _____ N/A

dynawave
INCORPORATED

SHEET 2 OF 2

DWG.
NO.

2001-7830-5444

REV.

BA