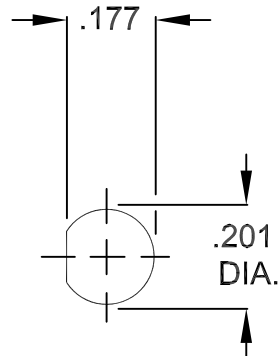
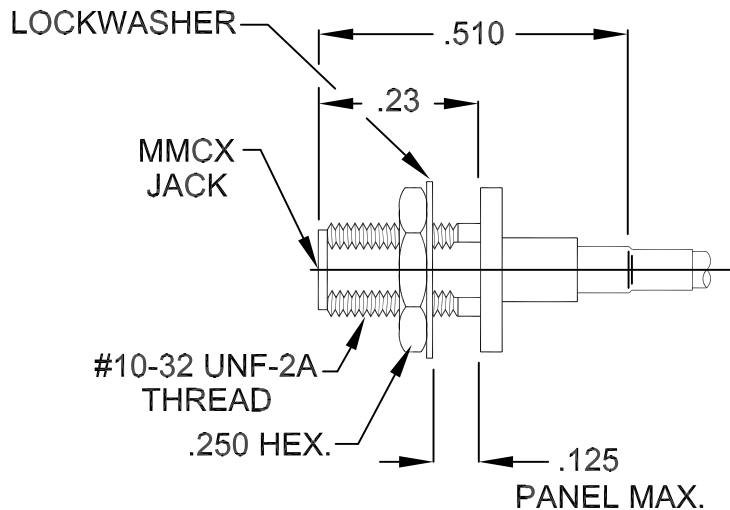


# SPECIFICATION CONTROL DRAWING



**RECOMMENDED MOUNTING**

1. MATING INTERFACE DIMENSIONS DESIGN IN ACCORDANCE WITH CECC 22000, MMCX, JACK AND DYNAWAVE SPECIFICATION MD-25.

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 3.0 GHz.
VSWR (MAX.) *	_____	1.07 + .010 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.04 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	170
RF LEAKAGE (MIN. dB DOWN)	_____	85 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 ° c TO +150 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	2,500
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			dynawave INCORPORATED HAVERHILL, MA. 01835
AA	06-1739	6/11/06	TS	DECIMALS .X +.030 .XX ±.010 .XXX ±.005	FRACTIONAL ±1/64	ANGULAR X ° ±1' 0" X ° X' ± 15"	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL}}$ -STD 10.			
				DRAWN TS	DATE 6/11/06	TITLE MMCX, JACK BULKHEAD MOUNT, CRIMP TO RG 316 DOUBLE BRAID FLEXIBLE CABLE	
				APPROVED DC	DATE 6/11/06		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 2510-1630-2400	

# 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.) \_\_\_\_\_ 3.0
- WITHDRAWAL (MIN. LBS.) \_\_\_\_\_ 0.5

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ 500

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 ° 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 105, COND. C ( 70,000 FT. ) ( 125 VRMS )

## 5. MATERIAL

CONNECTOR BODY, LOCKNUT, LOCKWASHER \_\_\_\_\_ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000  
AND CRIMP SLEEVE

CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY  
NO. UNS C17300 TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER D 1710

## 6. FINISH

CONNECTOR BODY, LOCKNUT, LOCKWASHER \_\_\_\_\_ GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.70  
AND CRIMP SLEEVE (.000030 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550,  
(.000010 MIN. THK.)

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.75  
(.000030 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550,  
(.000040 MIN. THK.)

INSULATOR \_\_\_\_\_ N/A