

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

● MIN. AXIAL FORCE	_____	1.5 LBS.
● MIN. RADIAL TORQUE	_____	N/A
RADIAL MISALIGNMENT	_____	.010 MIN.
AXIAL MISALIGNMENT	_____	.000/.007
CONNECTOR DURABILITY (MIN. MATING)	_____	A.) DETENT _____ 100 B.) SMOOTH BORE _____ 1000
CONNECTOR ENGAGEMENT (MAX. LBS)	_____	A.) DETENT _____ 5.0 B.) SMOOTH BORE _____ 2.0
CONNECTOR DISENGAGEMENT (MIN. LBS)	_____	A.) DETENT _____ 2.5 B.) SMOOTH BORE _____ 0.5

4. ENVIRONMENTAL

THERMAL SHOCK	_____	MIL-STD-202, METHOD 107, COND. B (HIGH TEMP. +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, 1000 MEGOHMS MINIMUM WITHIN 5 MINUTES.
CORONA (70,000 FEET)	_____	190 VRMS
RF HIGH POTENTIAL MIN. VOLTS	_____	325 VRMS @ SEA LEVEL, FREQ. 5 MHz.
VIBRATION, RANDOM	_____	MIL-STD 202, METHOD 214, TEST CONDITION F

5. MATERIAL

CONNECTOR BODY AND CENTER CONTACT	_____	BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	_____	TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B

6. FINISH

CONNECTOR BODY	_____	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 - .000100 THK.) OVER NICKEL PER QQ-N-290 (.000100 MIN.) OVER COPPER PER MIL-C-14550 (.000040 MIN.)
CENTER CONTACT	_____	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ-N-290 (.000050 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)
INSULATOR	_____	N/A