

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/.010

CONNECTOR DURABILITY (MIN. MATING)

- A.) FULL DETENT _____ 100
- B.) LIMITED DETENT _____ 500
- C.) SMOOTH BORE _____ 1000

FORCES TO ENGAGE AND DISENGAGE

ENGAGE

- A.) FULL DETENT SHROUD _____ 15.0 LBS. MAX
- B.) LIMITED DETENT SHROUD _____ 10.0 LBS. MAX
- C.) SMOOTH BORE SHROUD _____ 2.0 LBS. MAX

DISENGAGE

- A.) FULL DETENT SHROUD _____ 5.0 LBS. MIN.
- B.) LIMITED DETENT SHROUD _____ 2.0 LBS. MIN.
- C.) SMOOTH BORE SHROUD _____ 0.5 LBS. MIN.

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