

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

| REV | DESCRIPTION | DATE | BY | APPVD | CHKD |
|-----|--|-----------|-----|-------|------|
| 1 | ECO 105245 | 3/29/2010 | MJM | RS | MJR |
| 2 | REVISED OPERATION TEMP FROM -65°C TO -62°C | 5/2/2013 | MJM | RS | MJM |

MECHANICAL CHARACTERISTICS

| | |
|---------------------------|-------------------------------|
| INTERFACE | MIL-STD-348, FIGURE 313-3 |
| SLANT SHEET | N/A |
| RECOMMENDED MATING TORQUE | 9 IN-LBS NOM. |
| COUPLING PROOF TORQUE | 15 IN-LBS. MIN. |
| COUPLING NUT RETENTION | 60 IN-LBS. MIN. |
| FORCE TO ENGAGE | 2 LBS. MAX. |
| FORCE TO DISENGAGE | 2 LBS. MIN. |
| DURABILITY | 500 CYCLES MIN. |
| AXIAL CONTACT RETENTION | 6 LBS. MIN. (BOTH DIRECTIONS) |
| CABLE RETENTION | 20 LBS. MIN. |
| MASS | 18.97 GRAMS NOM. |

ELECTRICAL CHARACTERISTICS

| | |
|---------------------------------|-----------------------------|
| IMPEDANCE | 50 Ohms NOM. |
| MAXIMUM FREQUENCY | 18 GHz |
| VSWR DC - 12.4 GHz | 1.15:1 MAX. |
| 12.4 GHz - 18 GHz | 1.20:1 MAX. |
| INSERTION LOSS | 0.04 √F (GHz) dB MAX. |
| DIELECTRIC WITHSTANDING VOLTAGE | 1175 Vrms MIN. |
| INSULATION RESISTANCE | 5000 MegaOhms MIN. |
| RF LEAKAGE DC - 18 GHz | -90 dB |
| CORONA | 300 Vrms MIN. @ 70,000 FEET |
| RF HIGH POTENTIAL | 775 Vrms MIN. |
| CONTACT RESISTANCE (INNER) | 4.0 MilliOhms MAX. |
| CONTACT RESISTANCE (OUTER) | 2.0 MilliOhms MAX. |

ENVIRONMENTAL CHARACTERISTICS

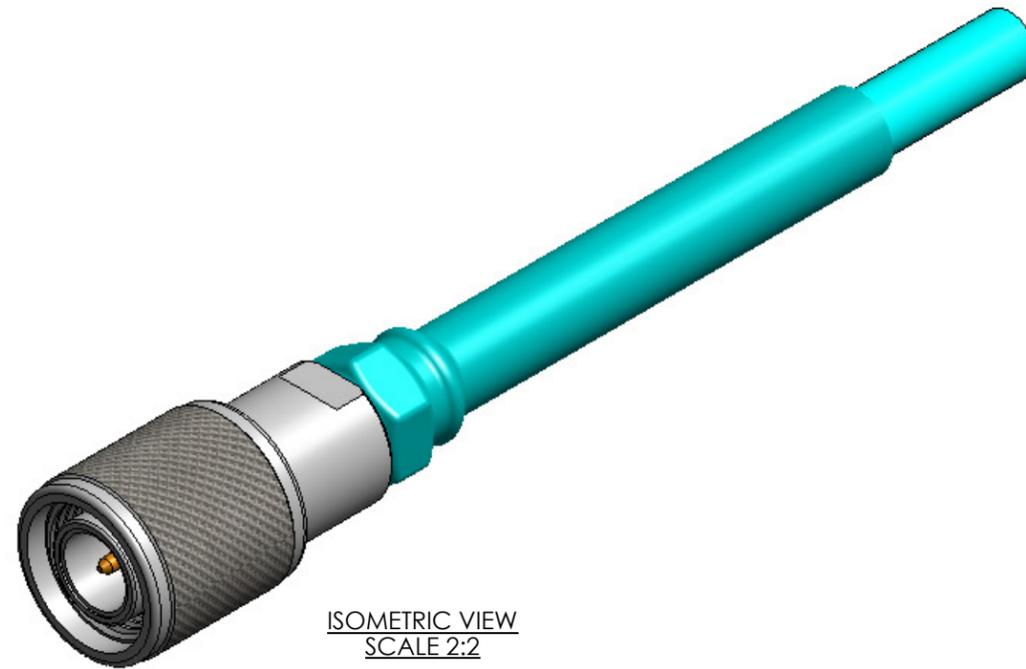
| | |
|-----------------------|---|
| OPERATING TEMPERATURE | -62 °C TO 165 °C |
| VIBRATION | MIL-STD-202, METHOD 204, CONDITION D |
| MECHANICAL SHOCK | MIL-STD-202, METHOD 213, CONDITION I |
| THERMAL SHOCK | MIL-STD-202, METHOD 107, CONDITION B |
| MOISTURE RESISTANCE | MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) |
| CORROSION | MIL-STD-202, METHOD 101, CONDITION B, 5% |

MATERIALS AND FINISH

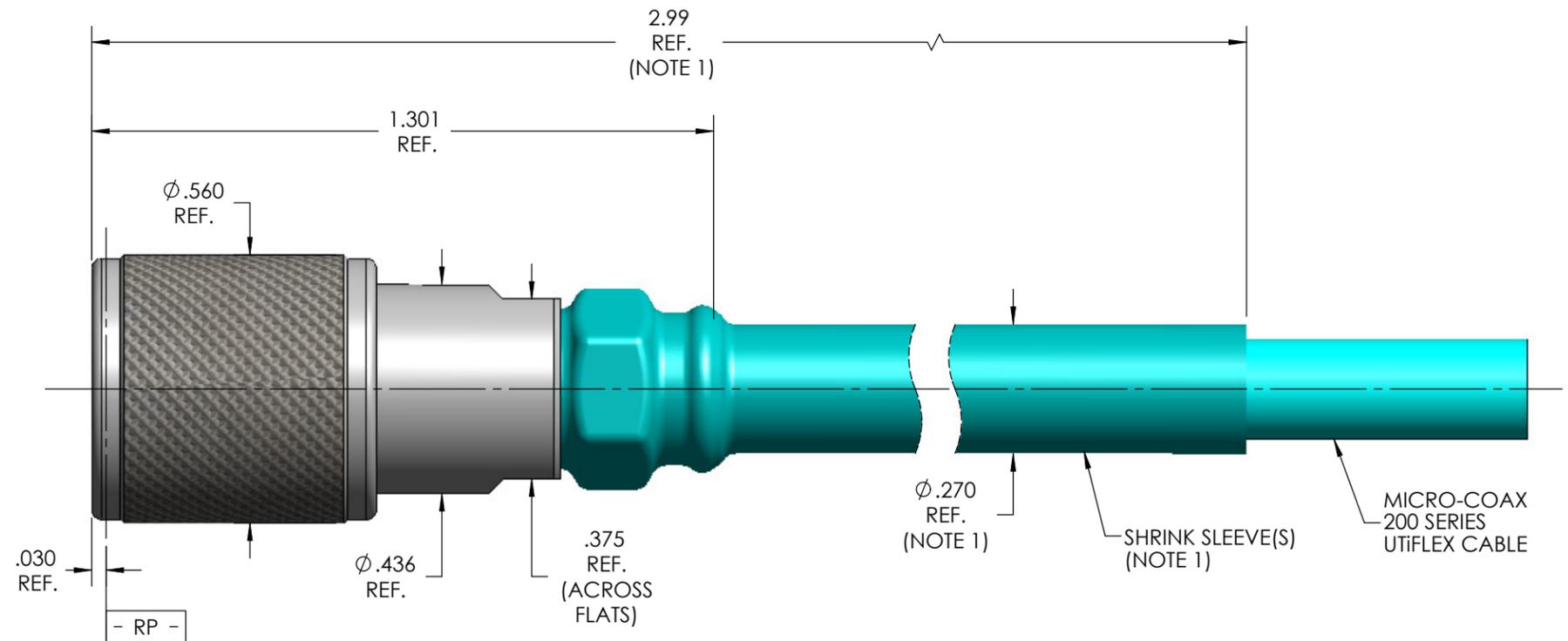
| | |
|----------------------------|---|
| BODY & COUPLING NUT | STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 |
| CONTACT | BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 |
| CONTACT RING | BRASS, PER ASTM B16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 |
| INSULATOR, DIELECTRIC STOP | POLYETHERMIDE THERMOPLASTIC PER ASTM-D-5205 |
| SNAP RING | BERYLLIUM COPPER, PER ASTM-B-197 |
| GASKET | SILICONE RUBBER PER ZZ-R-765 |

APPLICATION

| | |
|--------------|------------------|
| CABLE(S) | 200 SERIES CABLE |
| INSTALLATION | PER CONFIGURATOR |



ISOMETRIC VIEW
SCALE 2:2



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

SPECIFICATION DRAWING

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|---|---|---------|---|------|-------|-----------|-------------|-----|
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| | DWN. MJM | 3/29/10 | | | | | | |
| | CHKD. MJM | 5/6/13 | | | | | | |
| | APPVD. | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | TITLE | | FSCM NO. | SIZE | SCALE | SHEET NO. | DRAWING NO. | REV |
| .XX ±.02 | TNCA PLUG, KNURLED COUPLING NUT, 200 SERIES CABLE | | 64639 | B | 3:1 | 1 OF 1 | SD905055 | 2 |
| .XXX ±.005 | ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989. | | | | | | | |
| .XXXX ±.0010 | | | | | | | | |
| ANGLES ±2° | | | | | | | | |