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|---|------|
| DESIGNED FOR USE WITH RG-174/U OR EQUIVALENT | |
| CABLE ENTRY DIAMETER MINIMUM | 010 |
| CONTACT | .021 |
| DIELECTRIC | .021 |
| SLEEVE | .066 |
| FERRULE | .125 |

| REVISIONS | | | |
|-----------|-------------|----------|-----------|
| REV | DESCRIPTION | DATE | APPROVED |
| 010 | RELEASED | 06/15/94 | <i>AD</i> |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|--|--|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. 310.1 | Temperature Rating <u>-65°C to +165°C</u> |
| Frequency Range (GHz) DC to <u>12.4</u> | Recommended Mating | Vibration MIL-STD-202, Method 204, Condition D. |
| Volt Rating (VRMS MAX) @ Sea Level <u>250</u> | Torque <u>7 - 10 in-lbs</u> | Shock MIL-STD-202, Method 213, Condition I. |
| VSWR <u>1.15 + .02 f(GHz)</u> | Mating Characteristics: | Thermal Shock MIL-STD-202, Method 107, Condition B, |
| Insertion Loss (dB MAX) <u>.06 √f(GHz)</u> | Insertion (MAX Lbs) <u>N/A</u> | Except High Temp 85°C |
| RF Leakage (dB MIN) <u>-60 @ 2-3 GHz</u> | Withdrawal (MIN Oz) <u>N/A</u> | Moisture Resistance MIL-STD-202, Method 106 |
| Corona, 70,000 Ft (VRMS MIN) <u>250</u> | Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u> | Center Contact Captivation | |
| Contact Resistance (Milliohms MAX) | Axial (Lbs) <u>6.0</u> | |
| Center Contact <u>3.0</u> | Radial (In-Oz) <u>N/A</u> | |
| Outer Contact <u>2.0</u> | Cable Retention | |
| Cable to Housing <u>0.5</u> | Axial Force (Lbs MIN) <u>30</u> | |
| RF High Potential @ Sea Level | Torque (In-Oz) <u>N/A</u> | |
| (VRMS MIN @ 5 MHz) <u>670</u> | Weight (Grams) <u>TBD</u> | |
| I.R.(Megohms MIN) <u>5,000</u> | | |

| COMPONENT | MATERIAL | FINISH |
|--|--|-------------------------------|
| HOUSING COUPLING NUT CLAMP NUT INNER SLEEVE | STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303 | PASSIVATE PER ASTM-A380 |
| DIELECTRIC | TFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| RETAINING RING | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | N/A |
| GASKET | SILICONE RUBBER PER ZZ-R-765 | N/A |
| FERRULE | COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM | GOLD PLATE PER MIL-G-45204 |

| | | |
|---|--|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON | DRAWN BY <i>AD</i> DATE <u>06/15/94</u> | AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| FRAC. DEC. ANGLES ± 1/64 ±.005 ± ° | CHECKED BY APPD BY | |
| These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission. | USE ASS'Y PROCEDURE NO. AP. <u>408-04904 (20-510)</u> | TITLE <u>OSM STRAIGHT CABLE PLUG SOLDER CLAMP ATTACHMENT M39012/55-3007 CAT. A</u> |
| | SIZE <u>B</u> CODE IDENT NO. <u>26805</u> | 2031-8007-92 |
| | SCALE <u>6 : 1</u> | REV <u>010</u> |
| | | SHEET 1 OF 1 |

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