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| DESIGNED FOR USE WITH | .141 SEMI-RIGID CABLE |
| CABLE ENTRY DIAMETER MINIMUM | |
| CONTACT | .040 |
| SLEEVE | .145 |

| REVISIONS | | | |
|-----------|-------------|--------|-----------|
| REV | DESCRIPTION | DATE | APPROVED |
| 010 | RELEASED | 7/1/94 | <i>PA</i> |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|--|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. <u>310.1</u> | Temperature Rating <u>-65°C to +165°C</u> |
| Frequency Range (GHz) DC to <u>18.0</u> | Recommended Mating Torque <u>7-10 in-lbs</u> | Vibration MIL-STD-202, Method 204, Condition D. |
| Volt Rating (VRMS MAX) @ Sea Level <u>500</u> | Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u> | Shock MIL-STD-202, Method 213, Condition I. |
| VSWR <u>1.05 + .01 f(GHz)</u> | Withdrawal (MIN Oz) <u>N/A</u> | Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +115°C |
| Insertion Loss (dB MAX) <u>.03 √f(GHz)</u> | Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u> | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) <u>[-90-f(GHz)]</u> | Center Contact Captivation Axial (Lbs) <u>6.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>375</u> | Radiation (In-Oz) <u>N/A</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u> | Cable Retention Axial Force (Lbs MIN) <u>60.0</u> | |
| Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u> | Torque (In-Oz) <u>55.0</u> | |
| Outer Contact <u>2.0</u> | Weight (Grams) <u>TBD</u> | |
| Cable to Housing <u>0.5</u> | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1,000</u> | | |
| LR.(Megohms MIN) <u>5,000</u> | | |

| COMPONENT | MATERIAL | FINISH |
|--------------------------------------|--|----------------------------|
| HOUSING COUPLING NUT CLAMP NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER ASTM-A-380 |
| 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 |
| SLEEVE | BRASS PER ASTM-B-16, HALF HARD | 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 |

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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON | DRAWN BY <i>PA</i> DATE 7/1/94 | AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 | | | | | | | | | | | | | | | | |
| | CHECKED BY | | | | | | | | | | | | | | | | | |
| FRAC. DEC. ANGLES ± 1/64 ±.005 ± ° | APPD BY <i>PA</i> DATE 7/1/94 | <table border="1"> <tr> <td colspan="4">TITLE OSM STRAIGHT CABLE PLUG-SOLDER CLAMP ATTACHMENT M39012/79B3004 CAT B</td> </tr> <tr> <td>SIZE</td> <td>CODE IDENT NO.</td> <td>REV</td> <td></td> </tr> <tr> <td>B</td> <td>26805</td> <td>2001-8004-92</td> <td>010</td> </tr> <tr> <td colspan="2">SCALE 5 : 1</td> <td colspan="2">SHEET 1 OF 1</td> </tr> </table> | TITLE OSM STRAIGHT CABLE PLUG-SOLDER CLAMP ATTACHMENT M39012/79B3004 CAT B | | | | SIZE | CODE IDENT NO. | REV | | B | 26805 | 2001-8004-92 | 010 | SCALE 5 : 1 | | SHEET 1 OF 1 | |
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