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| DESIGNED FOR USE WITH .085 DIA S.R. CABLE | |
| CABLE ENTRY DIAMETER MINIMUM | .021 |
| CONTACT | .021 |
| HOUSING | .089 |

| REVISIONS | | | |
|-----------------|----------------------------|--------|--------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 02 ₃ | REDRAWN ON CAD ECN 94-0474 | 2/6/95 | <i>[Signature]</i> |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|---|--|
| Nominal Impedance (Ohms) 50 | Interface Dimensions MIL-STD-348A Fig. 310.1 | Temperature Rating -65°C to +105°C |
| Frequency Range (GHz) DC to 18.0 | Recommended Mating Torque 7 to 10 In-Lbs | Vibration MIL-STD-202, Method 204, Condition D |
| Volt Rating (VRMS MAX) Sea Level 335 | Mating Characteristics: Insertion (MAX Lbs) N/A Withdrawal (MIN Oz) N/A | Shock MIL-STD-202, Method 213, Condition 1 |
| VSWR 1.05 + .005f(GHz) | Force to Engage and Disengage (In-Lbs MAX) 2.0 | Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C |
| Insertion Loss (dB MAX) .03 √f(GHz) | Center Contact Captivation Axial (Lbs) N/A Radial (In-Oz) N/A | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) -(90-f(GHz)) | Cable Retention Axial Force (Lbs) 30 Torque (In-Oz) 16 | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) 250 | | |
| Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1000 | | |
| Contact Resistance (Milliohms MAX) Center Contact 3.0 Outer Contact 2.0 Cable to Housing 0.5 | | |
| RF High Potential Sea Level (VRMS MIN) 5 MHz 670 | | |
| IR (Megohms MIN) 10,000 | | |

| COMPONENT | MATERIAL | FINISH |
|----------------|--|----------------------------|
| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 |
| COUPLING NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER QQ-P-35 |
| DIELECTRIC | TFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, 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 |

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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWN BY RNL | DATE 2/28/74 | AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ± .005 ± ° | CHECKED BY <i>[Signature]</i> | 2/28/74 | |
| These drawings and specifications are the property of Osm 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 items without written permission. | APPROVED BY BWC | 2/28/74 | |
| USE ASSY PROCEDURE | | TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT | |
| 408-04762 (20-004) | | SIZE B | CODE IDENT NO. 26805 |
| | | SCALE 5:1 | 2001-5009-02 |
| | | | REV 02 ₃ |
| | | SHEET 1 OF 1 | |

CUSTOMER DRAWING

AMP PART # 1050532-1
SHEET 1 OF 1 REV A