



| | |
|---|-----------------|
| DESIGNED FOR USE WITH RG-316/U OR EQUIVALENT | |
| CABLE ENTRY DIAMETER MINIMUM | 03 ₁ |
| FERRULE | .128 |
| SLEEVE | .067 |
| DIELECTRIC | .021 |
| CONTACT | .021 |

| REVISIONS | | | |
|-----------------|------------------------|--------|-------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 03 ₁ | REDRAWN IN CAD 94-0474 | 6/1/95 | <i>R.R.</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 Torque <u>7 to 10 in-lbs</u> | Vibration MIL-STD-202, Method 204, Condition D. |
| Volt Rating (VRMS MAX) @ Sea Level <u>250</u> | Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u> | Shock MIL-STD-202, Method 213, Condition I. |
| VSWR <u>1.15 ±.02</u> | Withdrawal (MIN Oz) <u>N/A</u> | Thermal Shock MIL-STD-202, Method 107, Condition B. |
| Insertion Loss (dB MAX) <u>.06 √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>-[60-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>190</u> | Cable Retention Radial (In-Oz) <u>N/A</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u> | Torque (In-Oz MIN) <u>N/A</u> | |
| Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u> | Weight (Grams) <u>TBD</u> | |
| Outer Contact <u>2.0</u> | | |
| Cable to Housing <u>0.5</u> | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u> | | |
| LR.(Megohms MIN) <u>5,000</u> | | |

| COMPONENT | MATERIAL | FINISH |
|-------------------------|--|-------------------------------|
| HOUSING COUPLING NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303 | PASSIVATE PER QQ-P-35 |
| INNER SLEEVE | STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 |
| 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 |
| 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 FRAC. DEC. ANGLES ± 1/64 ±.005 ± ° | DRAWN BY L. ROSS DATE 1/31/85 | AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| | CHECKED BY L.B DATE 2/11/85 | |
| 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 items without written permission. | APPROVED BY R. RUSSO DATE 2/15/85 | AMP |
| | USE ASS'Y PROCEDURE 408-04904 NO. AP. (20-510) | TITLE OSM STRAIGHT CABLE PLUG SOLDER ATTACHMENT |
| | NO. AP. (20-510) | SIZE B CODE IDENT NO. 26805 2031-8107-92 REV 03 ₁ |
| | SCALE 4 : 1 | SHEET 1 OF 1 |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1051791-1](#)