



| REVISIONS | | | |
|-----------------|-------------|--------------|------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 01 ₁ | REACTIVATED | DM 3/5/99 | 3/8/99 |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|---|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. 310.1 | Temperature Rating <u>-65°C To +105°C</u> |
| Frequency Range (GHz) DC to <u>18.0</u> | Recommended Mating | Vibration MIL-STD-202, Method 204, Condition D |
| Volt Rating (VRMS MAX) @ Sea Level <u>335</u> | Torque <u>7-10 In-Lbs</u> | Shock MIL-STD-202, Method 213, Condition I |
| VSWR <u>1.05+0.005f</u> (GHz) | Mating Characteristics: | Thermal Shock MIL-STD-202, Method 107, Condition A. |
| Insertion Loss (dB MAX) <u>.03 √f</u> (GHz) | Insertion (MAX Lbs) <u>N/A</u> | Moisture Resistance MIL-STD-202, Method 106, Except Vibration |
| RF Leakage (dB MIN) <u>[-60-f(GHz)]</u> | Withdrawal (MIN Oz) <u>N/A</u> | Shall Be Omitted |
| 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>1000</u> | Center Contact Captivation | |
| Contact Resistance (Milliohms MAX) | Axial (Lbs) <u>6.0</u> | |
| Center Contact <u>2.0</u> | Radial (In/Oz) <u>4.0</u> | |
| Outer Contact <u>2.0</u> | Cable Retention | |
| Cable to Housing <u>N/A</u> | Axial Force (Lbs) <u>N/A</u> | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u> | Torque (In/Oz) <u>N/A</u> | |
| I.R.(Megohms MIN) <u>5,000</u> | Weight (Grams) <u>4.5</u> | |

| COMPONENT | MATERIAL | FINISH |
|----------------------|--|----------------------------|
| HOUSING COUPLING NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER QQ-P-35 |
| DIELECTRIC | PTFE 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 TOLERANCE ON | DRAWN BY | DATE | | AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| | FRAC. DEC. ANGLES | CHECKED BY | | |
| ± 1/64 ±.005 ± ° | BWC | 5/25/76 | AMP | TITLE OSM STRAIGHT PANEL PLUG RECEPTACLE SLOTTED CONTACT |
| These drawings and specifications are the property of AMP 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>N/A</u> | SIZE <u>B</u> | CODE IDENT NO. <u>26805</u> |
| | | | SCALE <u>4:1</u> | 2051-1614-02 |
| | | | | REV <u>01₁</u> |
| | | | | SHEET 1 OF 1 |