



| REVISIONS | | | |
|-----------|-------------|----------|-------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 041 | REVISED | 07/26/96 | [Signature] |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|---|---|
| Nominal Impedance (Ohms) 50 | Interface Dimensions MIL-STD-348A, Fig. 310.2 | Temperature Rating -65°C to +125°C |
| Frequency Range (GHz) DC to 18.0 | Recommended Mating Torque 7 - 10 in-lbs | Vibration MIL-STD-202, Method 204, Condition D. |
| Volt Rating (VRMS MAX) Sea Level 1,000 | Mating Characteristics: Insertion (MAX lbs) 3.0 | Shock MIL-STD-202, Method 213, Condition I. |
| VSWR 1.05 + .01 f(GHz) | Withdrawal (MIN oz) 1.0 | Thermal Shock MIL-STD-202, Method 107, Condition B. |
| Insertion Loss (dB MAX) .04 √f(GHz) | Force to Engage and Disengage (in-lbs MAX) 2.0 | Except High Temp |
| RF Leakage (dB MIN) [-70 - f(GHz)] | Center Contact Captivation Axial (lbs) 6.0 | Moisture Resistance MIL-STD-202, Method 106 |
| Corona, 70,000 Ft (VRMS MIN) 333 | Radial (in-oz) N/A | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000 | Cable Retention Axial Force (lbs) N/A | |
| Contact Resistance (Milliohms MAX) Center Contact 10.0 | Torque (in-oz) N/A | |
| Outer Contact 2.0 | Weight (Grams) TBD | |
| Cable to Housing N/A | | |
| RF High Potential Sea Level (VRMS MIN) 5 MHz 667 | | |
| IR (Megohms MIN) 5,000 | | |

| COMPONENT | MATERIAL | FINISH |
|----------------|--|----------------------------|
| HOUSING | 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, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| CONTACT EXT. | IRON-NICKEL-COBALT ALLOY PER MIL-I-23011 CLASS 1 (KOVAR) | GOLD PLATE PER MIL-G-45204 |
| *O* - RING | SILICONE RUBBER PER ZZ-R-765 | N/A |
| HERMETIC SEAL | GLASS BEAD | N/A |

| | | |
|---|--------------------------------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWN BY S. PATEL DATE 7/29/77 | AMP Incorporated |
| TOLERANCE ON | CHECKED BY K.W.H. DATE 8/10/77 | 140 Fourth Avenue |
| FRAC. DEC. ANGLES | APP'D BY R.M.F. DATE 8/12/77 | Waltham, MA 02451-7599 |
| + 1/64 ±.005 ± * | USE ASSY PROCEDURE | TITLE OSM HERMETICALLY SEALED PANEL JACK RECEPTACLE |
| 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 on the basis of the manufacture or sale of item(s) without written permission. | NO. AP. N/A | SIZE B CODE IDENT NO. 26805 |
| | | SCALE 5 : 1 |
| | | REV 041 SHEET 1 OF 1 |

CUSTOMER DRAWING

AMP PART # 1052604-1
SHEET 1 OF 1 REV A