



| REVISIONS | | | |
|-----------|-------------|---------|-----------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 020 | ECN 93-0005 | 2/18/93 | <i>AD</i> DCm 2/22/93 |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|---|--|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. 310.2 (OSM) & 304.2 (N) | Temperature Rating <u>-65°C to +125°C</u> |
| Frequency Range (GHz) DC to <u>18</u> | Recommended Mating Torque <u>N/A</u> | Vibration MIL-STD-202, Method 204, Condition B |
| Volt Rating (VRMS MAX) @ Sea Level <u>335</u> | Mating Characteristics: OSM-Insertion (MAX lbs) <u>3.0</u> | Shock MIL-STD-202, Method 213, Condition I. |
| VSWR <u>DC - 12.4GHz: 1.06+.005f(GHz) MAX</u> <u>12.4 - 18.0GHz: .83+.023f(GHz) MAX</u> | Type N-Insertion (MAX lbs) <u>2.0</u> | Thermal Shock MIL-STD-202, Method 107, Condition C, except high temp shall be +115°C |
| Insertion Loss (dB MAX) <u>.18 @ 9GHz</u> | OSM-Withdrawal (MIN oz) <u>1.0</u> | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) <u>-65 @ 2-3 GHz</u> | Type N-Withdrawal (MIN oz) <u>2.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>250</u> | Force to Engage and Disengage OSM (in-lbs MAX) <u>2.0</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u> | Type N (in-lbs MAX) <u>6.0</u> | |
| Contact Resistance (Milliohms MAX) Center Contact <u>4.1</u> | Center Contact Captivation Axial (lbs) <u>6.0</u> | |
| Outer Contact <u>2.2</u> | Radial (in-oz) <u>4.0</u> | |
| Cable to Housing <u>N/A</u> | Cable Retention Axial Force (lbs) <u>N/A</u> | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1,000</u> | Torque (in-oz) <u>N/A</u> | |
| I.R.(Megohms MIN) <u>5,000</u> | Weight (Grams) <u>TBD</u> | |

| COMPONENT | MATERIAL | FINISH |
|----------------|--|---|
| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATED |
| 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 OVER NICKEL PLATE PER QQ-N-290 |

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|---|--|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWN BY <u>CD</u> DATE <u>2-10-83</u> | AMP AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| TOLERANCE ON | CHECKED BY <u>WK</u> DATE <u>2-23-83</u> | |
| FRAC. DEC. ANGLES ± 1/64 ±.005 ± ° | APPD BY <u>DRG</u> DATE <u>3-3-83</u> | |
| 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 item(s) without written permission. | USE ASS'Y PROCEDURE | TITLE <u>OSN JACK TO OSM JACK ADAPTER</u> |
| | NO. AP. <u>N/A</u> | SIZE <u>B</u> CODE IDENT NO. <u>26805</u> 3680-2242-00 REV <u>020</u> |
| | | SCALE <u>4 : 1</u> SHEET 1 OF 1 |