



| REVISIONS | | | |
|-----------------|-------------|---------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| 02 ₁ | REVISED | 9/25/98 | |

| 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 | 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 |

| | | |
|--|---|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON | DRAWN BY <u>D. CAM</u> DATE <u>1-3-79</u> | M/A-COM <i>a Division of AMP Incorporated</i> 140 Fourth Avenue Waltham, MA 02154-7577 |
| FRAC. DEC. ANGLES | CHECKED BY <u>KW</u> DATE <u>8 JAN 79</u> | |
| $\pm 1/64$ $\pm .005$ $\pm 1^\circ$ | APPD BY <u>GH</u> DATE <u>1-12-79</u> | |
| These drawings and specifications are the property of M/A-COM 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 HI FREQUENCY OSN JACK TO OSM JACK ADAPTER NO. AP. <u>N/A</u> |
| | SIZE <u>B</u> CODE IDENT NO. <u>26805</u> | SCALE <u>4 : 1</u> SHEET <u>1 OF 1</u> |
| | | REV <u>02₁</u> |