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| DESIGNED FOR USE WITH | .141 SR |
| CABLE ENTRY DIAMETER MINIMUM | |
| HOUSING | .141 |
| CONTACT | .038 |

| REVISIONS | | | |
|-----------------|-------------|----------------------------|--------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 01 ₁ | REVISED | K.L. 8-15-96 8/20/96 | <i>[Signature]</i> |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|---|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. 310-2 | Temperature Rating <u>-65 TO +125°C</u> |
| Frequency Range (GHz) DC to <u>18</u> | Recommended Mating Torque <u>7-10 IN-LBS</u> | Vibration MIL-STD-202, Method 204, Condition E |
| Volt Rating (VRMS MAX) @ Sea Level <u>1.1:1</u> | Mating Characteristics: Insertion (MAX Lbs) <u>12.0</u> | Shock MIL-STD-202, Method 213, Condition A |
| VSWR <u>1.10 MAX</u> | Withdrawal (MIN Oz) <u>1.0</u> | Thermal Shock MIL-STD-202, Method 107, Condition C. |
| Insertion Loss (dB MAX) <u>.01 √f(GHz)</u> | Force to Engage and Disengage (In-Lbs MAX) <u>10</u> | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) <u>-70</u> | Center Contact Captivation: Axial (Lbs) <u>N/A</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>375</u> | Radial (In-Oz) <u>N/A</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u> | Cable Retention: Axial Force (Lbs) <u>60</u> | |
| Contact Resistance (Milliohms MAX): Center Contact <u>2.0</u> | Torque (In-Oz) <u>55</u> | |
| Outer Contact <u>2.0</u> | Weight (Grams) <u>TBD</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 | 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 |

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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWN BY | TEM | DATE | 1-13-77 |
| | CHECKED BY | RMF | DATE | 1-17-77 |
| | APP'D BY | RMF | DATE | 1-17-77 |

| | | | |
|---------------------|--|-----------------------------|---------------------------|
| USE ASSY PROCEDURE | TITLE 'OSM' STRAIGHT CABLE JACK-DIRECT SOLDER ATTACHMENT | | |
| NO. A.P. <u>N/A</u> | SIZE <u>B</u> | CODE IDENT NO. <u>26805</u> | REV <u>01₁</u> |
| | SCALE <u>6:1</u> | SHEET 1 OF 1 | |