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|------------------------------|-----------------------|
| DESIGNED FOR USE WITH        | .085 SEMI-RIGID CABLE |
| CABLE ENTRY DIAMETER MINIMUM | .0875                 |
| HOUSING                      | .0875                 |

| REVISIONS       |             |          |           |
|-----------------|-------------|----------|-----------|
| REV             | DESCRIPTION | DATE     | APPROVED  |
| 01 <sub>3</sub> | REVISED     | 05/05/94 | <i>JD</i> |

| ELECTRICAL   | MECHANICAL                                     | ENVIRONMENTAL   |
|--|--|---|
| Nominal Impedance (Ohms) 50                              | Interface Dimensions MIL-STD-348A              | Temperature Rating -65°C to +105°C  |
| Frequency Range (GHz) DC to 26.5                         | Recommended Mating                             | Vibration MIL-STD-202, Method 204, Condition D                              |
| Volt Rating (VRMS MAX)                                   | Torque 7 to 8 In - Lbs                         | Shock MIL-STD-202, Method 213, Condition I                                  |
| Sea Level 250  | Mating Characteristics:                        | Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +115°C |
| VSWR 1.035 + .005f(GHz)                                  | Insertion (MAX Lbs) N/A                        | Moisture Resistance MIL-STD-202, Method 106, Except Vibration               |
| Insertion Loss (dB MAX) .03 √f(GHz)                      | Withdrawal (MIN Oz) N/A                        | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray             |
| RF Leakage (dB MIN) -190-f(GHz)                          | Force to Engage and Disengage (In/Lbs MAX) 2.0 |   |
| Corona, 70,000 Ft (VRMS MIN) 190                         | Center Contact Captivation                     |   |
| Dielectric Withstanding Voltage (VRMS MIN) Sea Level 750 | Axial (Lbs) N/A                                |   |
| Contact Resistance (Milliohms MAX)                       | Radial (In/Oz) N/A                             |   |
| Center Contact 2.0                                       | Cable Retention                                |   |
| Outer Contact 2.0  | Axial Force (Lbs) 30                           |   |
| Cable to Housing .05                                     | Torque (In/Oz) 16                              |   |
| RF High Potential Sea Level (VRMS MIN) 5 MHz 500         | Weight (Grams) 1.0                             |   |
| IR (Megohms MIN) N/A                                     |  |   |

| COMPONENT      | MATERIAL   | FINISH                     |
|----------------|--|----------------------------|
| HOUSING        | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | GOLD PLATE PER MIL-G-45204 |
| COUPLING NUT   | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | PASSIVATE PER ASTM-A380    |
| RETAINING RING | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | N/A                        |
| GASKET         | SILICONE RUBBER PER ZZ-R-765                               | N/A                        |

|   |                      |  |  |
|---|----------------------|--|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES   | DRAWN BY<br>TEH      | DATE<br>11-30-76                               | <b>AMP Incorporated</b><br>140 Fourth Avenue<br>Waltham, MA 02451-7599 |
| TOLEANCE ON<br>FRACTIONAL DECIMAL ANGLES<br>± 1/64 ± .005 ± .1°   | CHECKED BY<br>E.C.A. | 12-1-76  |  |
|   | APPROVED BY<br>RMF   | 12-1-76  |  |
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| USE ASSY PROCEDURE<br>NO. AP. 10-001<br>(408-04796)   |                      | SIZE B<br>CODE IDENT NO. 26805<br>SCALE 10 : 1 | 1001-7985-02<br>REV 01 <sub>3</sub><br>SHEET 1 OF 1                    |

AMP PART # 1045370  
SHEET 1 OF 1 REV A