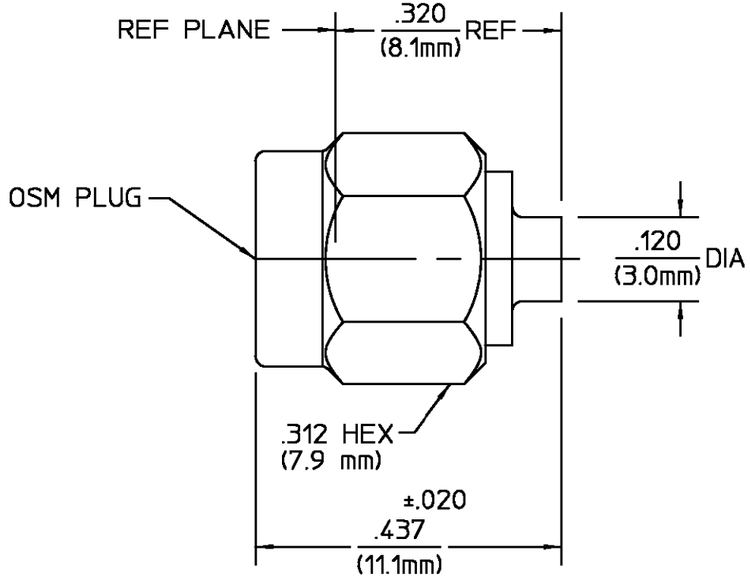


| DESIGNED FOR USE WITH .085 DIA S.R. CABLE | |
|---|---|
| CABLE ENTRY DIAMETER MINIMUM | |
| CONTACT | .0215 |
| HOUSING | .088 |
| | |

REVISIONS

| REV | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|
| $01_1$ | REDRAWN ON CAD ECN 92-0009 | 1/6/94 | 1/6/94 |

CAPTURED CENTER CONTACT

| COMPONENT | MATERIAL | FINISH |
|---|---|---|
| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290 |
| COUPLING NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER ASTM-A380 |
| 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 |
| RETAINING RING | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | N/A |
| GASKET | SILICONE RUBBER PER ZZ-R-765 | N/A |

| ELECTRICAL | |
|---|---|
| Nominal Impedance (Ohms) | 50 |
| Frequency Range (GHz) | DC to 18.0 |
| Volt Rating (VRMS MAX) | |
| @ Sea Level | 335 |
| VSWR | 1.07 + .01f(GHz) |
| Insertion Loss (dB MAX) | .03 $\sqrt{f(GHz)}$ |
| RF Leakage (dB MIN) | -[90-f(GHz)] |
| Corona, 70,000 Ft (VRMS MIN) | 250 |
| Dielectric Withstanding Voltage | |
| (VRMS MIN) @ Sea Level | 1000 |
| Contact Resistance (Milliohms MAX) | |
| Center Contact | 3.0 |
| Outer Contact | 2.0 |
| Cable to Housing | 0.5 |
| RF High Potential @ Sea Level | |
| (VRMS MIN @ 5 MHz) | 670 |
| I.R.(Megohms MIN) | 5,000 |

| MECHANICAL | |
|---|---|
| Interface Dimensions | MIL-STD-348A |
| Fig. | 310.1 |
| Recommended Mating | |
| Torque | 7 to 10 in-LBs |
| Mating Characteristics: | |
| Insertion (MAX Lbs) | N/A |
| Withdrawal (MIN Oz) | N/A |
| Force to Engage and | |
| Disengage (In-Lbs MAX) | 2.0 |
| Center Contact Captivation | |
| Axial (Lbs) | 6.0 |
| Radial (In-Oz) | N/A |
| Cable Retention | |
| Axial Force (Lbs) | 30 |
| Torque (In-Oz) | 16 |
| Weight (Grams) | T.B.D. |

| ENVIRONMENTAL |
|---|
| Temperature Rating -65°C to 105°C |
| Vibration MIL-STD-202, Method 204, Condition D |
| Shock MIL-STD-202, Method 213, Condition I |
| Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C |
| Moisture Resistance MIL-STD-202, Method 106 |
| Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE ON
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°

DRAWN BY ED HOYLE DATE 3/1/88
CHECKED BY BAR 3/3/88
APP'D BY BAR 3/3/88



USE ASS'Y PROCEDURE

NO. A.P. 408-04970 (20-701)

AMP
*AMP Incorporated*
140 Fourth Avenue
Waltham, MA 02451-7599

TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT

| SIZE | CODE IDENT NO. | | REV |
|---|---|---|---|
| B | 26805 | 2001-7585-02 | $01_1$ |

SCALE 5:1 SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1050735-1
SHEET 1 OF 1 REV A