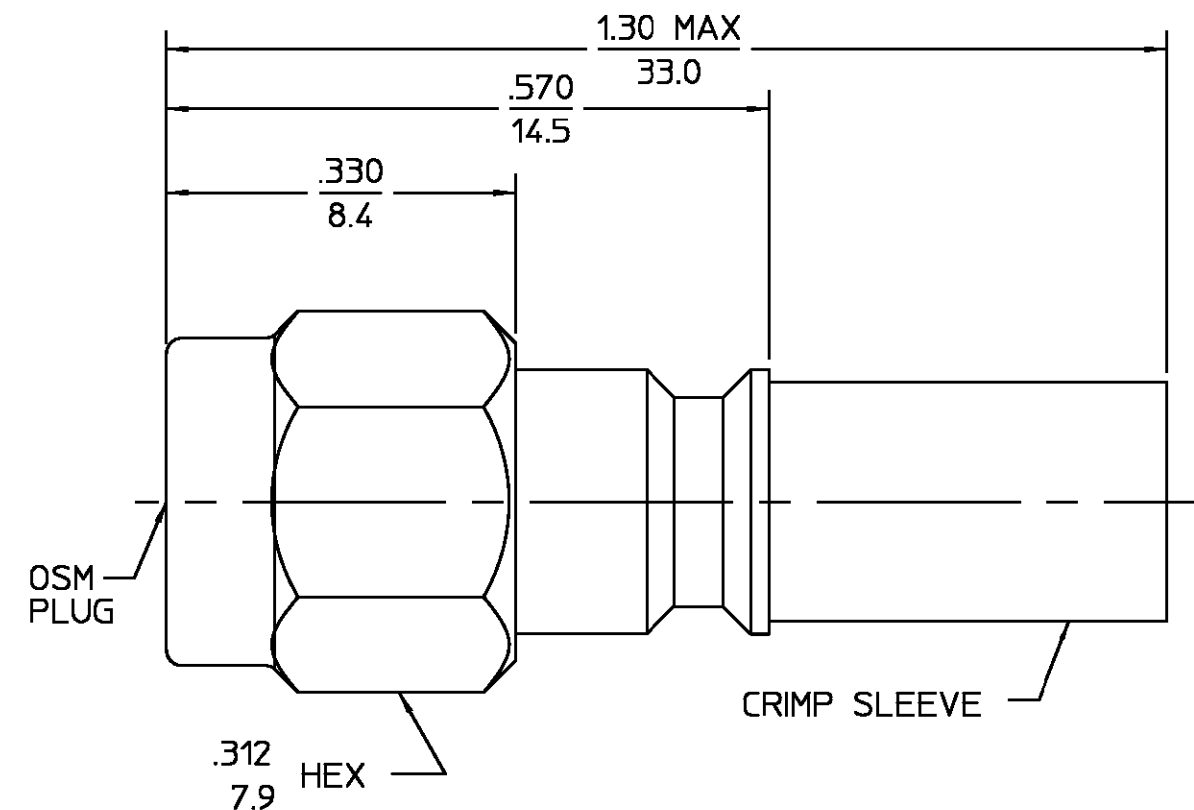




|                                                |      |
|------------------------------------------------|------|
| DESIGNED FOR USE WITH<br>RG142/U OR EQUIVALENT |      |
| CABLE ENTRY DIAMETER<br>MINIMUM                |      |
| CONTACT                                        | .040 |
| HOUSING                                        | .121 |
| FERRULE                                        | .216 |

| REVISIONS |             |        |            |
|-----------|-------------|--------|------------|
| REV       | DESCRIPTION | DATE   | APPROVED   |
| 010       | RELEASED    | 6/9/95 | <i>PAC</i> |

| ELECTRICAL                                                             | MECHANICAL                                               | ENVIRONMENTAL                                                      |
|------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------|
| Nominal Impedance (Ohms) <u>50</u>                                     | Interface Dimensions MIL-STD-348A,<br>Fig. <u>310.1</u>  | Temperature Rating <u>-65°C to +165°C</u>                          |
| Frequency Range (GHz) DC to <u>12.4</u>                                | Recommended Mating                                       | Vibration MIL-STD-202, Method<br>204, Condition D.                 |
| Volt Rating (VRMS MAX)<br>@ Sea Level <u>335</u>                       | Torque <u>7 - 10 in-lbs</u>                              | Shock MIL-STD-202, Method 213,<br>Condition I.                     |
| VSWR <u>1.15 + .01 f(GHz)</u>                                          | Mating Characteristics:                                  | Thermal Shock MIL-STD-202,<br>Method 107, Condition B,             |
| Insertion Loss (dB MAX) <u>.06 √f(GHz)</u>                             | Insertion (MAX Lbs) <u>N/A</u>                           | Except High Temp +200°C                                            |
| RF Leakage (dB MIN) <u>-60 @ 2-3 GHz</u>                               | Withdrawal (MIN Oz) <u>N/A</u>                           | Moisture Resistance MIL-STD-202,<br>Method 106                     |
| Corona, 70,000 Ft (VRMS MIN) <u>250</u>                                | Force to Engage and<br>Disengage (In-Lbs MAX) <u>2.0</u> | Corrosion - MIL-STD-202, Method<br>101, Condition B, 5% salt spray |
| Dielectric Withstanding Voltage<br>(VRMS MIN) @ Sea Level <u>1,000</u> | Center Contact Captivation                               |                                                                    |
| Contact Resistance (Milliohms MAX)                                     | Axial (Lbs) <u>6.0</u>                                   |                                                                    |
| Center Contact <u>3.0</u>                                              | Radial (In-Oz) <u>N/A</u>                                |                                                                    |
| Outer Contact <u>2.0</u>                                               | Cable Retention                                          |                                                                    |
| Cable to Housing <u>0.5</u>                                            | Axial Force (Lbs MIN) <u>40</u>                          |                                                                    |
| RF High Potential @ Sea Level<br>(VRMS MIN @ 5 MHz) <u>670</u>         | Torque (In-Oz) <u>N/A</u>                                |                                                                    |
| I.R.(Megohms MIN) <u>5,000</u>                                         | Weight (Grams) <u>TBD</u>                                |                                                                    |

| COMPONENT                                                                                                        | MATERIAL                                                         | FINISH                        |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------|
| COUPLING NUT<br>HOUSING                                                                                          | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303     | PASSIVATE PER<br>ASTM-A380    |
| DIELECTRIC                                                                                                       | TFE FLUOROCARBON<br>PER ASTM-D-1457                              | N/A                           |
| CENTER CONTACT                                                                                                   | BERYLLIUM COPPER PER<br>ASTM B 196, ALLOY<br>C17300, CONDITION H | GOLD PLATE PER<br>MIL-G-45204 |
| RETAINING RING                                                                                                   | BERYLLIUM COPPER PER<br>ASTM B 194, ALLOY<br>C17200, CONDITION H | N/A                           |
| GASKET                                                                                                           | SILICONE RUBBER PER<br>ZZ-R-765                                  | N/A                           |
| FERRULE                                                                                                          | COPPER OR BRASS ALLOY<br>ROCKWELL F65 MAXIMUM                    | GOLD PLATE PER<br>MIL-G-45204 |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCE ON<br>FRAC. DEC. ANGLES<br>± 1/64 ±.005 ± 1° |                                                                  |                               |
| DRAWN BY <i>PAC</i> DATE 6/9/95<br>CHECKED BY <i>PAC</i><br>APP'D BY <i>PAC</i> 6/9/95                           |                                                                  |                               |
| USE ASS'Y PROCEDURE<br>408-04935<br>NO. AP. (20-514)                                                             |                                                                  |                               |
| TITLE OSM STRAIGHT CABLE PLUG<br>CRIMP ATTACHMENT<br>M39012/55-3128 CAT. C                                       |                                                                  |                               |
| AMP Incorporated<br>140 Fourth Avenue<br>Waltham, MA 02451-7599                                                  |                                                                  |                               |
| SIZE<br>B                                                                                                        | CODE IDENT NO.<br>26805                                          | REV<br>010                    |
| SCALE 10 : 1                                                                                                     |                                                                  | SHEET 1 OF 1                  |

CUSTOMER DRAWING

AMP PART # 1051815-1  
SHEET 1 OF 1 REV A

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