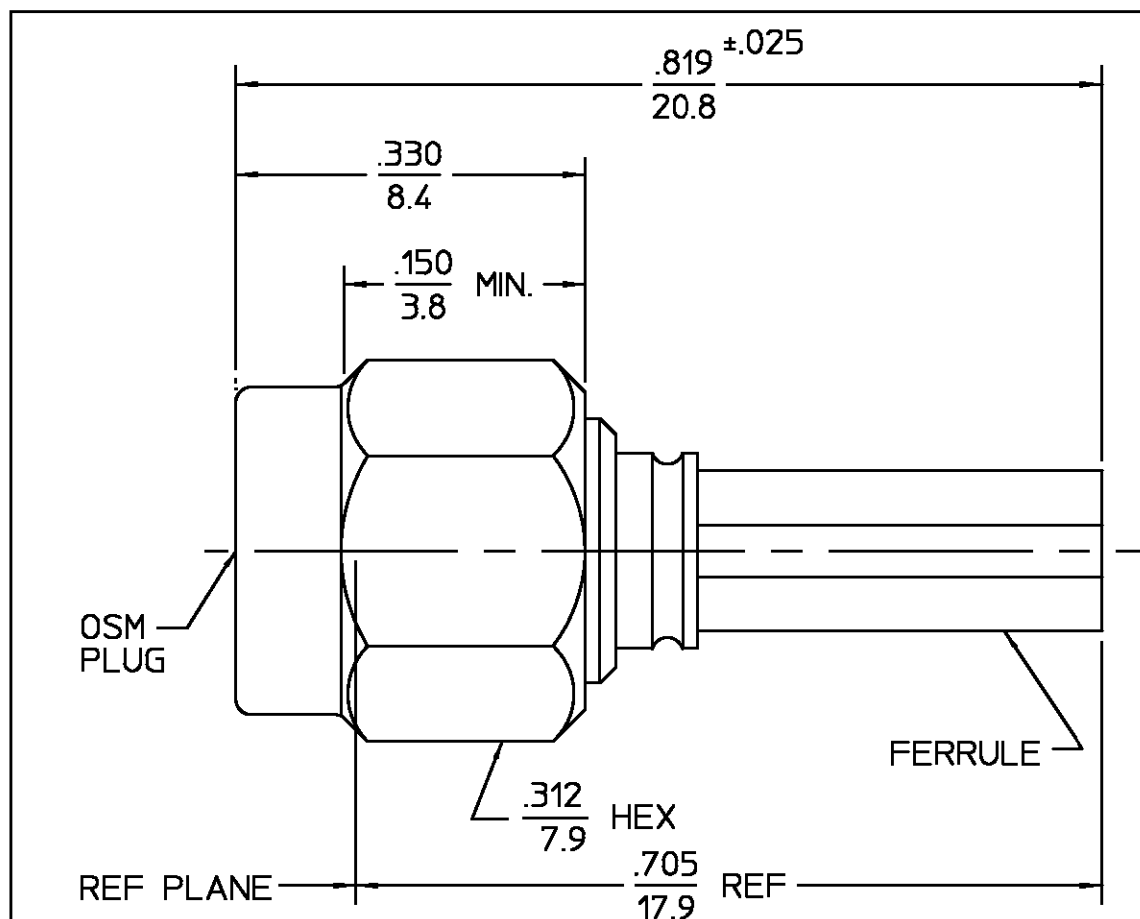




|                       |      |
|-----------------------|------|
| DESIGNED FOR USE WITH |      |
| RG-174, 316/U         |      |
| CABLE ENTRY DIAMETER  |      |
| MINIMUM               |      |
| CONTACT               | .021 |
| HOUSING               | .067 |
| FERRULE               | .213 |

| REVISIONS |             |         |             |
|-----------|-------------|---------|-------------|
| REV       | DESCRIPTION | DATE    | APPROVED    |
| 01        | REVISED     | 9/12/86 | [Signature] |

| ELECTRICAL                                                 | MECHANICAL                                     | ENVIRONMENTAL                                                   |
|------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------|
| Nominal Impedance (Ohms) 50                                | Interface Dimensions MIL-STD-348A, Fig. 310.1  | Temperature Rating -65°C to +165°C                              |
| Frequency Range (GHz) DC to 12.4                           | Recommended Mating                             | Vibration MIL-STD-202, Method 204, Condition D.                 |
| Volt Rating (VRMS MAX) @ Sea Level 250                     | Torque 7 - 10 in-lbs                           | Shock MIL-STD-202, Method 213, Condition I.                     |
| VSWR 1.15 + .02 f(GHz)                                     | Mating Characteristics:                        | Thermal Shock MIL-STD-202, Method 107, Condition B,             |
| Insertion Loss (dB MAX) .06 √f(GHz)                        | Insertion (MAX Lbs) N/A                        | Except High Temp 85°C                                           |
| RF Leakage (dB MIN) -60 @ 2-3 GHz                          | Withdrawal (MIN Oz) N/A                        | Moisture Resistance MIL-STD-202, Method 106                     |
| Corona, 70,000 Ft (VRMS MIN) 190                           | Force to Engage and Disengage (In-Lbs MAX) 2.0 | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 750 | Center Contact Captivation                     |                                                                 |
| Contact Resistance (Milliohms MAX)                         | Axial (Lbs) 6.0                                |                                                                 |
| Center Contact 3.0                                         | Radial (In-Oz) N/A                             |                                                                 |
| Outer Contact 2.0                                          | Cable Retention                                |                                                                 |
| Cable to Housing .05                                       | Axial Force (Lbs MIN) 20                       |                                                                 |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500       | Torque (In-Oz) N/A                             |                                                                 |
| I.R.(Megohms MIN) 5,000                                    | Weight (Grams) TBD                             |                                                                 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------|
| HOUSING<br>COUPLING NUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303                   | PASSIVATE PER<br>QQ-P-35      |
| DIELECTRIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TFE FLUOROCARBON<br>PER ASTM-D-1457                                            | N/A                           |
| CENTER CONTACT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BERYLLIUM COPPER PER<br>ASTM-B-196 OR ASTM-B-197,<br>ALLOY 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 |
| COMPONENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MATERIAL                                                                       | FINISH                        |
| <div>UNLESS OTHERWISE SPECIFIED<br/>DIMENSIONS ARE IN INCHES<br/>TOLERANCE ON<br/>FRAC. DEC. ANGLES<br/>± 1/64 ±.005 ± 1°</div> <div>DRAWN BY<br/>EH<br/>1/16/86<br/>CHECKED BY<br/>LB<br/>1/17/86<br/>APPD BY<br/>RG<br/>1/20/86</div> <div>AMP Incorporated<br/>140 Fourth Avenue<br/>Waltham, MA 02451-7599</div> <div>AMP</div> <div><div>These drawings and specifications are the property of<br/>M/A-COM Incorporated and shall<br/>not be reproduced or copied or<br/>used in whole or in part as the<br/>basis for the manufacture or<br/>sale of item(s) without written<br/>permission.</div><div>USE ASS'Y PROCEDURE<br/><br/>408-04936<br/>NO. A.P. (20-513)</div><div>TITLE OSM STRAIGHT CABLE PLUG<br/>CRIMP ATTACHMENT<br/>M39012/55-3112 CAT. B</div><div><div>SIZE<br/>B</div><div>CODE IDENT NO.<br/>26805</div><div>2031-8112-92</div><div>REV<br/>01</div></div><div>SCALE 10 : 1</div><div>SHEET 1 OF 1</div></div> |                                                                                |                               |