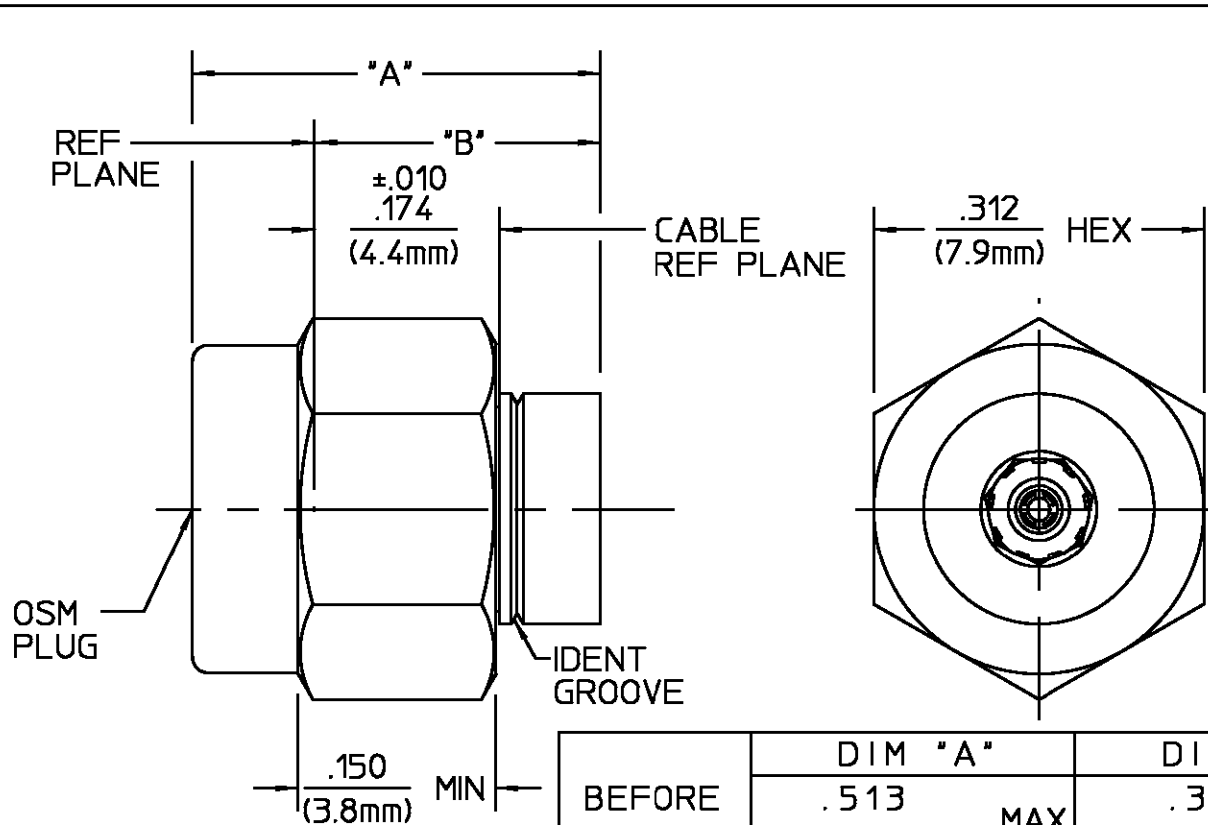


|   |  |  |  |   |  |  |  |   |  |
|---|--|--|--|---|--|--|--|---|--|
|  |  | DESIGNED FOR USE WITH<br>.085 SEMI RIGID CABLE   |  | REVISIONS   |  |  |  |   |  |
|   |  | CABLE ENTRY DIAMETER<br>MINIMUM  |  | REV   | DESCRIPTION  | DATE   | APPROVED   |   |  |
|   |  |  |  | 030   | ECN 95-0224-1  | 6/2/95   | M.M.   |   |  |
|   |  | HOUSING<br>CONTACT   |  | .088<br>.021  |  |  |  |   |  |
|   |  | NOTES:<br>1. PICTORIAL VIEW AFTER CRIMPING.<br>2. MINIMUM STRAIGHT CABLE LENGTH .175.<br>3. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING. |  |   |  |  |  |   |  |
|   |  |  |  | HOUSING<br>COUPLING NUT<br>BUSHING  | 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 OVER<br>NICKEL PLATE PER<br>QQ-N-290 |   |  |
|   |  |  |  | GASKET  | FLOURACARBON RUBBER<br>PER MIL-R-83248                           |  | N/A  |   |  |
|   |  |  |  | COMPONENT   | MATERIAL   |  | FINISH   |   |  |
| ELECTRICAL  |  | MECHANICAL   |  | ENVIRONMENTAL   |  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCE ON<br>FRAC. DEC. ANGLES<br>± 1/64 ±.005 ± 1°   |  | DRAWN BY <i>Adams</i> DATE 07/07/92<br>CHECKED BY <i>BB</i> 07/09/92<br>APPD BY <i>D.Cornel</i> 07/10/92<br><b>AMP</b><br>AMP Incorporated<br>140 Fourth Avenue<br>Waltham, MA 02451-7599 |  |
| Nominal Impedance (Ohms) 50   |  | Interface Dimensions MIL-STD-348A,<br>Fig. 310.1   |  | Temperature Rating -65°C to +165°C  |  | These drawings and specifications are the property of M/A-COM Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission. |  | TITLE OSM STRAIGHT CABLE PLUG<br>COMPRESSION CRIMP ATTACHMENT<br>(M39012/79-3311)   |  |
| Frequency Range (GHz) DC to 18  |  | Recommended Mating   |  | Vibration MIL-STD-202, Method 204, Condition D.                                       |  | USE ASS'Y PROCEDURE  |  | SIZE B CODE IDENT NO. 26805 2001-8311-92 REV 030  |  |
| Volt Rating (VRMS MAX)<br>@ Sea Level 335   |  | Torque (in-lbs) 7 - 10   |  | Shock MIL-STD-202, Method 213, Condition I.   |  | 408-04667<br>NO. AP. (20-588)  |  | SCALE 6 : 1 SHEET 1 OF 1  |  |
| VSWR 1.07 + .01 f(GHz)  |  | Force to Engage and<br>Disengage (in-lbs MAX) 2.0  |  | Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp shall be +115°C. |  |  |  |   |  |
| Insertion Loss (dB MAX) .03 √f(GHz)   |  | Center Contact Captivation   |  | Moisture Resistance MIL-STD-202, Method 106   |  |  |  |   |  |
| RF Leakage (dB MIN) -90 dB @ 2-3 GHz  |  | Axial (lbs) 6.0  |  | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray                       |  |  |  |   |  |
| Corona, 70,000 Ft (VRMS MIN) 250  |  | Radial (in-oz) N/A   |  |   |  |  |  |   |  |
| Dielectric Withstanding Voltage<br>(VRMS MIN) @ Sea Level 1,000                     |  | Cable Retention  |  |   |  |  |  |   |  |
| Contact Resistance (Milliohms MAX)  |  | Axial Force (lbs MIN) 30   |  |   |  |  |  |   |  |
| Center Contact 3.0  |  | Torque (in-oz) 16  |  |   |  |  |  |   |  |
| Outer Contact 2.0   |  | Coupling Nut   |  |   |  |  |  |   |  |
| Cable to Housing 0.5  |  | Proof Torque (in-lbs MIN) 15   |  |   |  |  |  |   |  |
| RF High Potential @ Sea Level<br>(VRMS MIN @ 5 MHz) 670                             |  | Retention (lbs MIN) 60   |  |   |  |  |  |   |  |
| I.R.(Megohms MIN) 5,000   |  | Weight (Grams) TBD   |  |   |  |  |  |   |  |

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