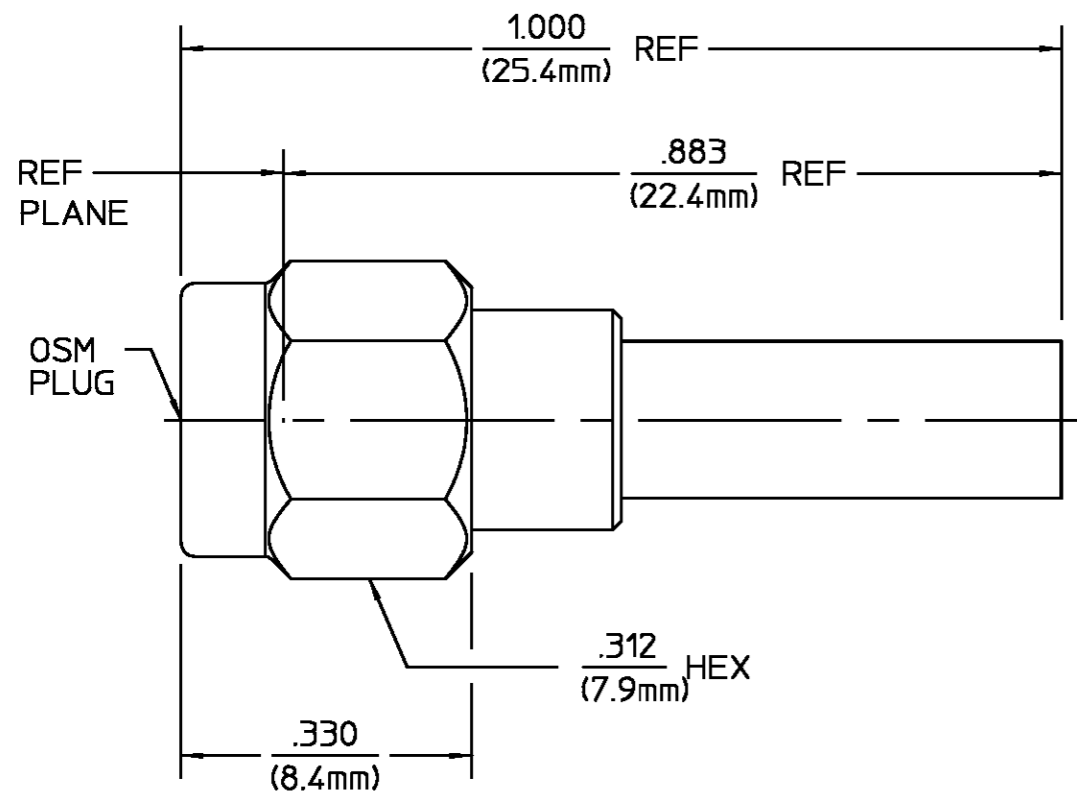


DESIGNED FOR USE WITH RD-316/U (DOUBLE BRAID)	
CABLE ENTRY DIAMETER MINIMUM	
FERRULE	.137
HOUSING	.066
CONTACT	.023

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 <sub>0</sub>	REVISED	Nov 3/1/96	ICom 3/4/96



COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BRASS PER ASTM-B-16 HALF HARD	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	NICKEL PLATER PER QQ-N-290

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, 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 Torque <u>7 to 10 in-lbs</u>	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level <u>250</u>	Mating Characteristics: Insertion (MAX lbs) <u>N/A</u>	Shock MIL-STD-202, Method 213, Condition I.
VSWR <u>1.30 : 1</u>	Withdrawal (MIN oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B.
Insertion Loss (dB MAX) <u>.06 √f(GHz)</u>	Force to Engage and Disengage (in-lbs MAX) <u>2.0</u>	Except High Temp shall be +85°C
RF Leakage (dB MIN) <u>-[60-f(GHz)]</u>	Center Contact Captivation Axial (lbs) <u>6.0</u>	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) <u>190</u>	Radial (in-oz) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u>	Cable Retention Axial Force (lbs MIN) <u>25.0</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>2.0</u>	Torque (in-oz MIN) <u>N/A</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>TBD</u>	
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u>		
I.R.(Megohms MIN) <u>10,000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON

FRAC.	DEC.	ANGLES
± 1/64	±.005	± °

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USE ASS'Y PROCEDURE

408-04661  
NO. AP. (28-001)

DRAWN BY *ADavis* DATE 11/17/92  
CHECKED BY  
APPD BY *ICom* 12/15/92

AMP Incorporated  
140 Fourth Avenue  
Waltham, MA 02451-7599

**AMP**

TITLE OSM LOW COST STRAIGHT CABLE PLUG CRIMP ATTACHMENT

SIZE B	CODE IDENT NO. 26805	2831-7316-02	REV 02 <sub>0</sub>
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SCALE 4 : 1 SHEET 1 OF 1