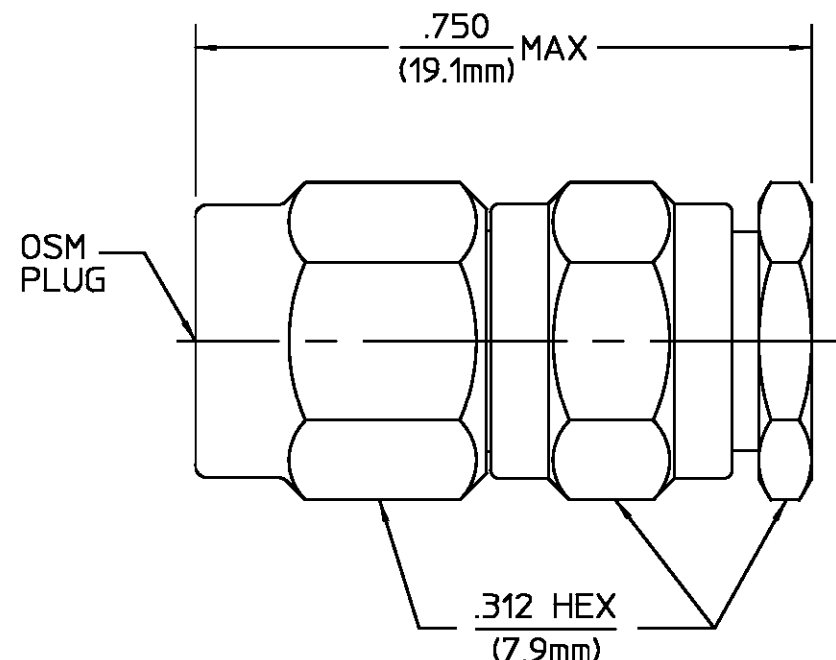




DESIGNED FOR USE WITH		REVISIONS		
RD316/U CABLE		REV	DESCRIPTION	DATE
CABLE ENTRY DIAMETER MINIMUM		010	RELEASED	10/17/91
CONTACT		B	PER EC 0U20-0176-01-02	06DEC01
FERRULE				
CLAMP NUT				

HOUSING COUPLING NUT CLAMP NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
FERRULE WASHER WEDGE	BRASS PER QQ-B-626 COMP. 360	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
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

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A Fig. 310.1	Temperature Rating -55°C to +165°C
Frequency Range (GHz) 12.4	Recommended Mating Torque 7 to 10 inch-pounds	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 250	Mating Characteristics:	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.15 + 0.02 (f)GHz	Insertion (MAX Lbs) 3.0	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) .06 √ f GHz	Withdrawal (MIN Oz) 1.0	Except High Temp shall be +200°C
RF Leakage (dB MIN) -(60 - f GHz)	Force to Engage and Disengage (In/Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) 190	Center Contact Captivation	Corrosion - MIL-STD-202, Method 101, Condition B
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 750	Axial (Lbs) 6 LBS MIN	
Contact Resistance (Milliohms MAX)	Radial (In/Oz) N/A	
Center Contact 4.0	Cable Retention	
Outer Contact 2.0	Axial Force (Lbs) 25	
Cable to Housing 5.0	Torque (In/Oz) N/A	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500	Weight (Grams) 4.8	
I.R.(Megohms MIN) 5000		

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1°	DRAWN BY BB DATE 10/15/91 CHECKED BY JH Mela 10/17/91 APPD BY D Comella 10/17/91	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
These drawings and specifications are the property of Omni Spectra 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.	USE ASS'Y PROCEDURE 408-04705 NO. AP. (20-447)	TITLE OSM STRAIGHT CABLE PLUG CLAMP ATTACHMENT
	SIZE B SCALE 5:1	CODE IDENT NO. 26805 2001-7316-00 REV 010 SHEET 1 OF 1