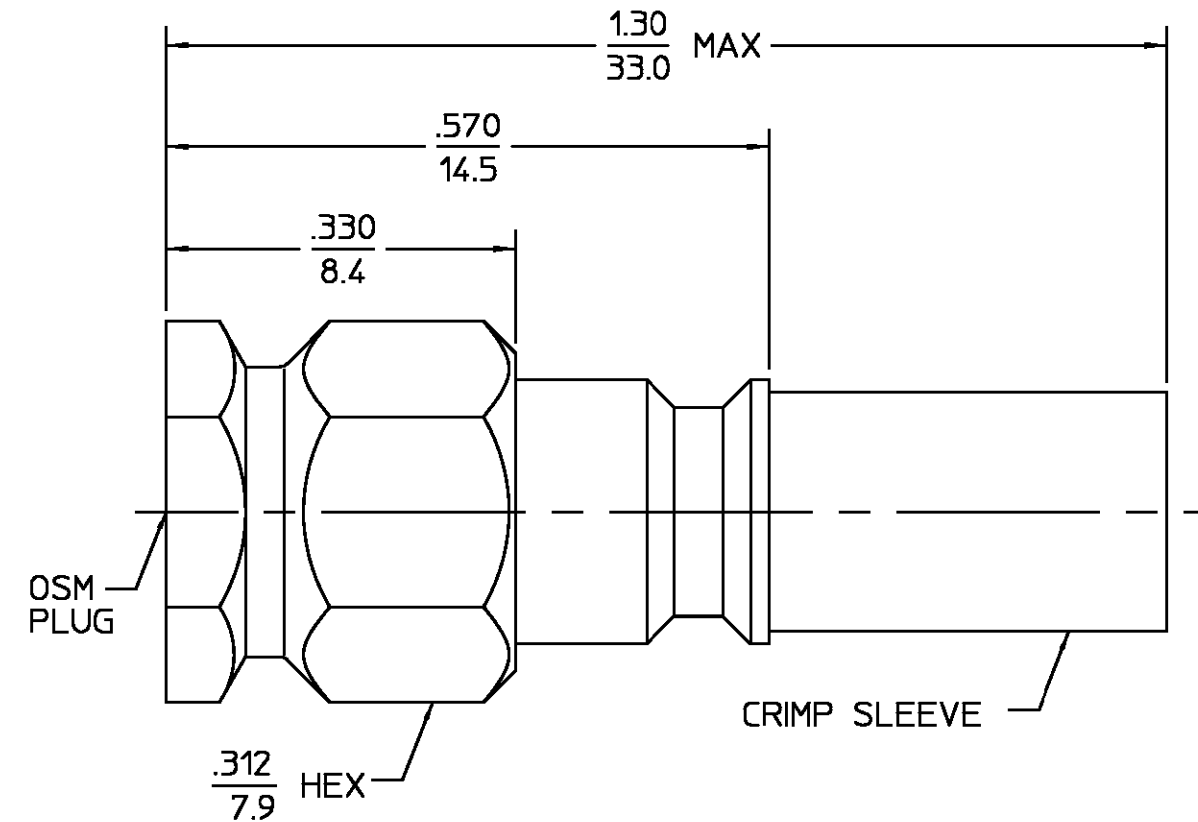




DESIGNED FOR USE WITH RG142/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.040
HOUSING	.121
FERRULE	.216

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
010	RELEASED	7/7/94	<i>RA</i>

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 335	Torque 7 - 10 in-lbs	Shock MIL-STD-202, Method 213, Condition I.
VSWR 1.15 + .01 f(GHz)	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B.
Insertion Loss (dB MAX) .06 $\sqrt{f(\text{GHz})}$	Insertion (MAX Lbs) N/A	Except High Temp +200°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) 250	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 1,000	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) 40	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670	Torque (In-Oz) N/A	
IR.(Megohms MIN) 5,000	Weight (Grams) TBD	

COMPONENT	MATERIAL	FINISH
COUPLING NUT HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	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	GOLD PLATE PER MIL-G-45204
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1°		
DRAWN BY <i>RA</i> DATE 7/7/94 CHECKED BY <i>RA</i> APP'D BY <i>RA</i> 7/7/94		
USE ASS'Y PROCEDURE 408-04935 NO. AP. (20-514)		
TITLE OSM STRAIGHT CABLE PLUG CRIMP ATTACHMENT M39012/55-3028 CAT. C		
AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599		
SIZE B CODE IDENT NO. 26805 2031-8028-92 REV 010		
SCALE 10 : 1 SHEET 1 OF 1		

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