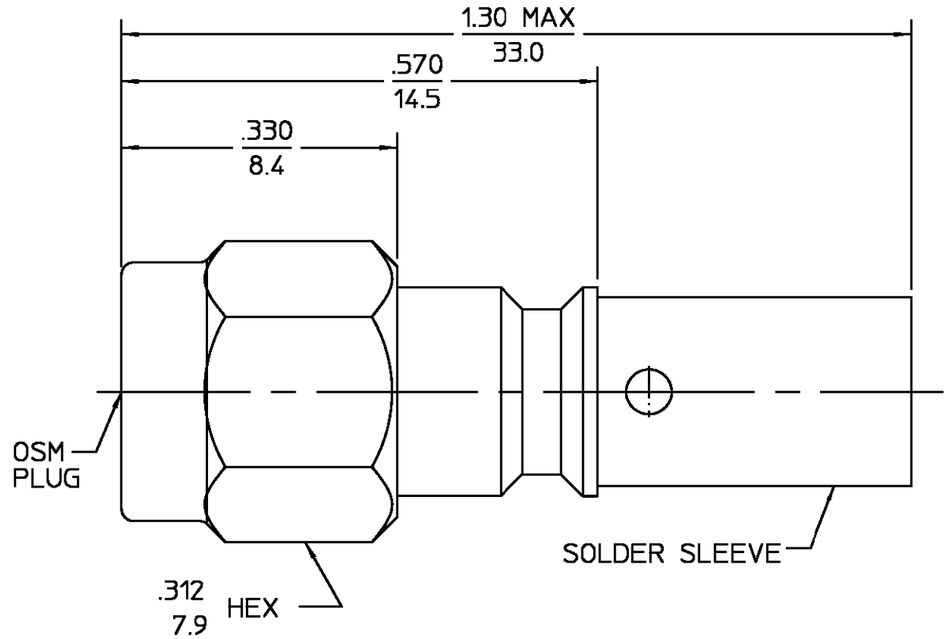


DESIGNED FOR USE WITH RG142/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.040
HOUSING	.121
FERRULE	.216

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01_0	RELEASED	6/9/95	

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A,	Temperature Rating -65°C to +165°C
Frequency Range (GHz) DC to 12.4	Fig. 310.1	Vibration MIL-STD-202, Method
Volt Rating (VRMS MAX)	Recommended Mating	204, Condition D.
@ Sea Level 335	Torque 7 - 10 in-lbs	Shock MIL-STD-202, Method 213,
VSWR 1.15 + .01 f(GHz)	Mating Characteristics:	Condition I.
Insertion Loss (dB MAX) $.06\sqrt{f(GHz)}$	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202,
RF Leakage (dB MIN) -60 @ 2-3 GHz	Withdrawal (MIN Oz) N/A	Method 107, Condition B,
Corona, 70,000 Ft (VRMS MIN) 250	Force to Engage and	Except High Temp +200°C
Dielectric Withstanding Voltage	Disengage (In-Lbs MAX) 2.0	Moisture Resistance MIL-STD-202,
(VRMS MIN) @ Sea Level 1,000	Center Contact Captivation	Method 106
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0	Corrosion - MIL-STD-202, Method
Center Contact 3.0	Radial (In-Oz) N/A	101, Condition B, 5% salt spray
Outer Contact 2.0	Cable Retention	
Cable to Housing 0.5	Axial Force (Lbs MIN) 40	.XXX = in
RF High Potential @ Sea Level	Torque (In-Oz) N/A	XX.X = mm
(VRMS MIN @ 5 MHz) 670	Weight (Grams) TBD	
I.R.(Megohms MIN) 5,000		

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
COUPLING NUT	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. ± 1/64 DEC. ±.005 ANGLES ± 1°

DRAWN BY RBC DATE 6/9/95
CHECKED BY
APP'D BY RBC 6/9/95

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

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USE ASS'Y PROCEDURE

NO. A.P. 408-04969 (20-511)

TITLE OSM STRAIGHT CABLE PLUG
SOLDER ATTACHMENT
M39012/55-3109 CAT. A

SIZE	CODE IDENT NO.		REV
B	26805	2031-8109-92	01_0
SCALE 10 : 1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1051794-1
SHEET 1 OF 1 REV A