



DESIGNED FOR USE WITH RG-174/U, RG-188/U & RG-316/U	
CABLE ENTRY DIAMETER MINIMUM	020
FERRULE	.125
HOUSING	.066
CONTACT	.023

REVISIONS		DATE	APPROVED
REV	DESCRIPTION		
02	REVISED	Aug 31/196	DCM 3/4/96

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 Torque 7 to 10 in-lbs	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 1.30 : 1	Insertion (MAX lbs) N/A	Thermal Shock MIL-STD-202, Method 407, Condition B.
Insertion Loss (dB MAX) .06 $\sqrt{f(\text{GHz})}$	Withdrawal (MIN oz) N/A	Except High Temp shall be +85°C
RF Leakage (dB MIN) -60-(fGHz)	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 Axial (lbs) 6.0	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 750	Radial (in-oz) N/A	
Contact Resistance (Milliohms MAX)	Cable Retention Axial Force (lbs MIN) 20.0	
Center Contact 2.0	Torque (in-oz MIN) N/A	
Outer Contact 2.0	Weight (Grams) TBD	
Cable to Housing 0.5		
RF High Potential Sea Level (VRMS MIN @ 5 MHz) 500		
IR (Megohms MIN) 10,000		

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 PLATE PER QQ-N-290

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES + 1/64 +.005 + °	DRAWN BY <i>C. D. Davis</i> DATE 11/17/92 CHECKED BY APPRO BY <i>D. J. Amello</i> 12/15/92	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
USE ASST PROCEDURE 408-04661 NO. AP. (28-001)	TITLE OSM LOW COST STRAIGHT CABLE PLUG CRIMP ATTACHMENT	
SIZE B	CODE IDENT NO. 26805	REV 02
SCALE 4 : 1	2831-7388-02	SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1056443-1
SHEET 1 OF 1 REV A