



DESIGNED FOR USE WITH RG-174/U OR EQUIVALENT CABLE ENTRY DIAMETER MINIMUM	REV 03 ₃
CONTACT	.021
SLEEVE	.128
CLAMP NUT	.179

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
03 ₃	REVISED	1/30/97	

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CLAMP NUT SLEEVE	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
REAR DIELECTRIC	NYLON OR ZYTEL #101 PER MIL-M-20693A	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 O-RING	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-1-23053/4	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204

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 7-10 IN-LB	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±.02 (1GHz)	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202, Method 107, Condition C
Insertion Loss (dB MAX) .06 (1GHz)	Withdrawal (MIN Oz) N/A	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -60	Force to Engage and Disengage (In-Lbs MAX) 2	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 190	Center Contact Captivation Axial (Lbs) 6.0	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 500	Radial (In-Oz) N/A	
Contact Resistance (Milliohms MAX)	Cable Retention Axial Force (Lbs) 20 MIN	
Center Contact 3.0	Torque (In-Oz) N/A	
Outer Contact 2.0	Weight (Grams) TBD	
Cable to Housing .05		
RF High Potential Sea Level (VRMS MIN) 5 MHz 500		
IR (Megohms MIN) 10,000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY F.J.C. DATE 5/16/69	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	CHECKED BY B.W.C. DATE 5/17/69	
	APPROVED BY D.NANIA DATE 5/20/69	
USE ASSY PROCEDURE	408-4813 (REF 20-052)	TITLE OSM STRAIGHT CABLE PLUG CRIMP ATTACHMENT
		SIZE B CODE IDENT NO. 26805 2031-5012-02 REV 03 ₃
		SCALE 3:1 SHEET 1 OF 1

CUSTOMER DRAWING PART NO. 1051665-1 SHEET 1 OF 1, REV A