



CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.040
SLEEVE	.119
DIELECTRIC	.040

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
05 <sub>0</sub>	UPDATED REV, REDRAWN PER GEN ECN NO. 80-0492	L.R. 12-30-86	
05 <sub>1</sub>	REDRAWN AND UPDATED IN CAD PER ECN NO. 88-0678	M.C. 3-9-90	C.W. 3-9-90

- NOTES:
- DESIGNED FOR USE WITH RG 55/U, 142, 223, AND 400 CABLES.
  - CAPTURED CENTER CONTACT
  - SEE MIL-C-17 FOR MAX RATINGS FOR APPLICABLE CABLE.

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions <u>MIL-STD-348 Fig. 310-1</u>	Temperature Rating <u>-65°C - (See Note 3)</u>
Frequency Range (GHz) <u>0 - (See Note 3)</u>	Recommended Mating Torque <u>7-10 IN/Lbs</u>	Vibration <u>MIL-STD-202, Method 204, Condition D</u>
Volt Rating (VRMS MAX) <u>335</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u>	Shock <u>MIL-STD-202, Method 213, Condition I</u>
VSWR <u>1.15 ±.01(f GHz)</u>	Withdrawal (MIN Oz) <u>2.0</u>	Thermal Cycling <u>MIL-STD-202, Method 107, Condition B Except High Temp Shall Be 85°C (High Temp Shall Be 200°C When Used With 200°C Cables Per MIL-C-17)</u>
Insertion Loss (dB MAX) <u>.06(1/GHz)</u>	Connector Engagement and Disengagement (In/Lbs MAX) <u>2.0</u>	Moisture Resistance <u>MIL-STD-202, Method 106</u>
RF Leakage (dB) <u>-60</u>	Center Contact Captivation: Axial <u>6.0</u>	Corrosion <u>MIL-STD-202, Method 101, Condition B</u>
Corona, 70 Ft (VRMS MIN) <u>250</u>	Radial <u>N/A</u>	
Dielectric Withstanding Voltage (VRMS MIN) <u>1,000</u>	Cable Retention Axial Lbs <u>40 Min</u>	
Contact Resistance (Milliohms MAX)	Torque <u>N/A</u>	
Center Contact <u>3.0</u>	Weight (Grams) <u>5.0</u>	
Outer Contact <u>2.0</u>	Hermetic Seal <u>N/A</u>	
Cable To Housing (Milliohms Max) <u>0.5</u>		
RF High Potential (VRMS MIN @ 5 MHz) <u>670</u>		
I.R. (Megohms) <u>5,000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
COUPLING NUT		
CLAMP NUT		
SLEEVE		
DIELECTRIC	NYLON	N/A
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457, MIL-P-19468, AND FED. SPEC L-P-403	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B196, ALLOY 173	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM-B196, ALLOY 173	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053-11	N/A
FERRULE	SOFT COPPER ALLOY	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON		DATE	DATE	DATE
FRAC	DEC	ANGLES	BY	BY
±.1/64	±.005	±.1°	B.K.W.	D.N.A.N.A.
			5-16-69	5-17-69
			5-20-69	

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USE ASSY PROCEDURE

408-04814  
NO. A.P. (20-050)

**AMP** Incorporated  
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Waltham, MA 02451-7599

TITLE OSM STRAIGHT CABLE PLUG CRIMP ATTACHMENT

SIZE B	CODE IDENT NO. 26805	2031-5011-00	REV 05 <sub>1</sub>
SCALE 5:1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1051660-1  
SHEET 1 OF 1 REV A