



DESIGNED FOR USE WITH RG-55/U. 142, 223 & 400 FLEXIBLE CABLES	
CABLE ENTRY DIAMETER MINIMUM	
CONTACT	.040
HOUSING	.121

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
020	SEE ECN 92-0656	1/12/93	<i>[Signature]</i> 1/15/93

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CAP	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 OVER NICKEL PLATE PER QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348, Fig. 310.1	Temperature Rating -65°C to 125°C
Frequency Range (GHz) Max operating frequency of cable per MIL-C-17	Recommended Mating Torque 7 to 10 Inch-Pounds	Vibration MIL-STD-202, Method 204, Cond. D
Voltage Rating (VRMS MIN) 335 @ Sea Level	Mating Characteristics: Insertion (MAX Lbs) N/A Withdrawal (MIN Oz) N/A	Shock MIL-STD-202, Method 213, Cond. I
VSWR 1.15 @ 0.2f(GHz)	Force to Engage and Disengage (In/Lbs MAX) 2.0	Thermal shock MIL-STD-202 Method 107, Cond. B except High Temp shall be 115°C
Insertion Loss(dB MAX) .07Vf(GHz)	Center Contact Captivation: Axial (Lbs) 6.0	Moisture Resistance MIL-STD-202, Method 106, except step 7b (vibration) shall be omitted
Rf Leakage (dB MIN) -[60-f(GHz)]	Radial (Inch-Ounces) 4.0	Corrosion MIL-STD-202, Method 101, Cond. B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 250 D.W.V.	Cable Retention Axial (Lbs) 40 Min(45 Min when used with double braid cable)	
(VRMS MIN) 1000 @ Sea Level	Torque (Inch Ounces) N/A	
Contact Resistance	Weight (Grams) 4.8	
Center Contact (Milliohms MAX) 3.0	Hermetic Seal N/A	
Outer Contact (Milliohms MAX) 2.0		
Cable To Hsg. (Milliohms MAX) 0.5		
RF High Potential (VRMS MIN @ 5 MHz) 670 @ Sea Level		
I.R. (Megohms Min) 10,000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY JB	DATE 2/14/76	 AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
TOLERANCE ON FRAC DEC ANGLES	DESIGNED BY RMP	2/9/76	
±.005 ±.1°	CHECKED BY BWC	2/11/76	
These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.			TITLE OSM RIGHT ANGLE CABLE PLUG - CRIMP ATTACHMENT
USE ASSY PROCEDURE 408-04681 NO. A.P. (20-065)		SIZE B	CODE IDENT NO. 26805
		SCALE 2:1	REV 020
		SHEET 1 OF 1	

CUSTOMER DRAWING

AMP PART # 1052072-1
SHEET 1 OF 1 REV A