



DESIGNED FOR USE WITH .085 S/R CABLE		REVISIONS		
REV	DESCRIPTION	DATE	APPROVED	
01 ₀	RELEASED	10/24/90	CAS	
02 ₀	AP # WAS 20-344, CABLE ENTRY DIA WAS .037 SLOT, ECN 91-0190	BB 3/21/91	KCM 3/25/91	
HOUSING	.089			
CONTACT	.023			

COMPONENT	MATERIAL	FINISH
HOUSING CAP	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	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 COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348, Fig. 310-1	Temperature Rating <u>-65 to 105°C</u>
Frequency Range (GHz) DC to <u>18</u>	Recommended Mating Torque <u>7-10 IN-LBS</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.10 + .01(f)</u>	Withdrawal (MIN Oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +115°C
Insertion Loss (dB MAX) <u>.05 √f(GHz)</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2</u>	Moisture Resistance MIL-STD-202, Method 106, Except Vibration
RF Leakage (dB MIN) <u>-90</u>	Center Contact Captivation Axial (Lbs) <u>6</u>	Shall Be Omitted. Resistance 200 Megohms Within 5 Minutes.
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Radial (In/Oz) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>	Cable Retention Axial Force (Lbs) <u>30</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u>	Torque (In/Oz) <u>16</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>T.B.D.</u>	
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>		
I.R.(Megohms MIN) <u>5000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY <u>B.M. EDWARDS</u> DATE <u>10/23/90</u>			AMP Incorporated	
FRAC. DEC. ANGLES	CHECKED BY <u>BB</u> DATE <u>10/24/90</u>			140 Fourth Avenue	
± 1/64 ±.005 ± °	APPD BY <u>CAS</u> DATE <u>10/24/90</u>			Waltham, MA 02451-7599	
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 items without written permission.	USE ASS'Y PROCEDURE	TITLE <u>OSM RIGHT ANGLE CABLE PLUG - DIRECT SOLDER ATTACHMENT</u>			
	408-04706 NO. AP. (20-460)	SIZE <u>B</u>	CODE IDENT NO. <u>26805</u>	<u>2007-5116-02</u>	REV <u>02₀</u>
		SCALE <u>5:1</u>	SHEET 1 OF 1		