



DESIGNED FOR USE WITH RG-174/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MINIMUM	010
CONTACT	.021
DIELECTRIC	.021
SLEEVE	.066
FERRULE	.125

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
010	RELEASED	06/15/94	<i>AD</i>

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. 310.1	Temperature Rating <u>-65°C to +165°C</u>
Frequency Range (GHz) DC to <u>12.4</u>	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D.
Volt Rating (VRMS MAX) @ Sea Level <u>250</u>	Torque <u>7 - 10 in-lbs</u>	Shock MIL-STD-202, Method 213, Condition I.
VSWR <u>1.15 + .02 f(GHz)</u>	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) <u>.06 √f(GHz)</u>	Insertion (MAX Lbs) <u>N/A</u>	Except High Temp <u>85°C</u>
RF Leakage (dB MIN) <u>-60 @ 2-3 GHz</u>	Withdrawal (MIN Oz) <u>N/A</u>	Moisture Resistance MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u>	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>6.0</u>	
Center Contact <u>3.0</u>	Radial (In-Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Cable Retention	
Cable to Housing <u>0.5</u>	Axial Force (Lbs MIN) <u>30</u>	
RF High Potential @ Sea Level	Torque (In-Oz) <u>N/A</u>	
(VRMS MIN @ 5 MHz) <u>670</u>	Weight (Grams) <u>TBD</u>	
I.R.(Megohms MIN) <u>5,000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT CLAMP NUT INNER SLEEVE	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
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	GOLD PLATE PER MIL-G-45204

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY <i>AD</i> DATE <u>06/15/94</u>	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	CHECKED BY	AMP	
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.	APPD BY	TITLE OSM STRAIGHT CABLE PLUG SOLDER CLAMP ATTACHMENT M39012/55-3007 CAT. A	
	USE ASS'Y PROCEDURE	NO. AP. <u>408-04904</u> <u>(20-510)</u>	SIZE B CODE IDENT NO. <u>26805</u> 2031-8007-92 REV <u>010</u>
	SCALE <u>6 : 1</u>	SHEET 1 OF 1	