



DESIGNED FOR USE WITH RG 178/U, 196 CABLES	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.038
CONTACT	.020
FERRULE	.079

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 <sub>1</sub>	REVISED PER ECN 78-224	10/24/78	RE
02 <sub>2</sub>	SEE ECN 80-0084	VM 1/25/80	TS 1/28/80
02 <sub>3</sub>	REDRAWN IN CAD, ECN 88-0678, UPDATED FORMAT, ECN 90-0493	OKM 10/8/91	BB 10/16/91

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348, Fig. 319.2	Temperature Rating -65°C To 165°C
Frequency Range (GHz) DC to *	Recommended Mating Torque N/A	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 250	Mating Characteristics: Insertion (MAX Lbs) 3.0	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.20 + .025 f (GHz)	Withdrawal (MIN Oz) 1.0	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 85°C *
Insertion Loss (dB MAX) .06√f (GHz)	Force to Engage and Disengage (In/Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106, Except Vibration
RF Leakage (dB MIN) -60 @ 2 To 3 GHz	Center Contact Captivation Axial (Lbs) N/A	Shall Be Omitted
Corona, 70,000 Ft (VRMS MIN) 125	Radial (In/Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 500	Cable Retention Axial Force (Lbs) 10	
Contact Resistance (Milliohms MAX) Center Contact 3.0	Torque (In/Oz) N/A	
Outer Contact 2.0	Weight (Grams) TBD	
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 335		
I.R.(Megohms MIN) 5000		
* See MAX Operating Frequency Of Applicable Cable Per MIL-C-17		

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
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
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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY EJC	DATE 8/8/68		AMP Incorporated			
	CHECKED BY RW	9/4/68		140 Fourth Avenue Waltham, MA 02451-7599			
APPD BY D.NANIA	9/4/68	TITLE OSSM STRAIGHT CABLE JACK SOLDER ATTACHMENT					
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	408-04789 (10-011)	NO. AP.	SIZE B	CODE IDENT NO. 26805	1032-5001-00	REV 02 <sub>3</sub>
	SCALE 5:1		SHEET 1 OF 1				

CUSTOMER DRAWING

AMP PART # 1045496-1  
SHEET 1 OF 1 REV A