



DESIGNED FOR USE WITH RG 142/U & SIMILAR CABLES	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.122
FERRULE	.216
CONTACT	.042

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
020	REVISED	4/29/93	<i>AD</i> 5/14/93

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER ASTM-A380
FLAT WASHER		
SPRING		
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
CONTACT SLEEVE	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
CONTACT RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, 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	NICKEL PLATE PER QQ-N-290 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

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions Per DESC Dwg 85073	Temperature Rating -65° to +125°C
Frequency Range (GHz) DC to 12.4	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 335	Insertion (MAX Lbs) 3	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.15+.01F(GHz) DC to 12.4 GHz	Withdrawal (MIN Oz) 1	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX) .03 √f(GHz)	Force to Engage (In/Lbs MAX) 3	Except High Temp Shall Be +115°C
RF Leakage (dB MIN) (Interface Only, Fully Mated) -(85-f(GHz))	& Disengage (In/Lbs MAX) 1.5	Moisture Resistance MIL-STD-202, Method 106, Except Step 7b
Corona, 70,000 Ft (VRMS MIN) 250	Center Contact Captivation	Shall Be Omitted
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000	Axial (Lbs) 6	Corrosion - MIL-STD-202, Method 101, Condition B
Contact Resistance (Milliohms MAX)	Cable Retention	
Center Contact 3.0	Axial Force (Lbs MIN) 45	
Outer Contact 2.0	Weight (Grams) TBD	
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670		
LR.(Megohms MIN) 5000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY K.C. MAHER	DATE 1/28/88	AMP AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	CHECKED BY MH/M	1-29-88		
	APPD BY PCV	1-29-88		
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.	USE ASS'Y PROCEDURE	408-04612 NO. AP. (45-155)	TITLE OSP FLOATING 2 HOLE FLANGE MOUNT CABLE JACK CRIMP ATTACHMENT	
	SIZE B	CODE IDENT NO. 26805	4536-5008-02	REV 020
	SCALE 2:1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1059530-1
SHEET 1 OF 1 REV A