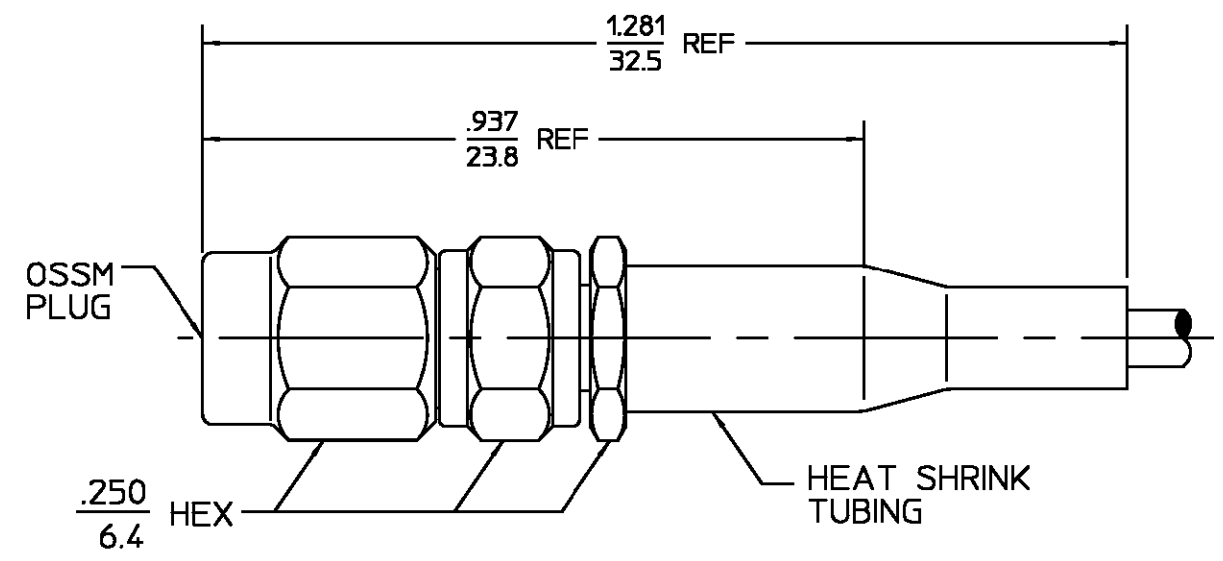


DESIGNED FOR USE WITH	RG-196/U CABLE
CABLE ENTRY DIAMETER	MINIMUM
FERRULE	.098
SLEEVE	.036
CONTACT	.014

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₃	REVISED	04/20/94	<i>AD</i>



COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
COUPLING NUT		
CLAMP NUT		
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	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
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
SLEEVE	BRASS PER ASTM-B-16 COMP. 360, HALF HARD	GOLD PLATE PER MIL-G-45204

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. 319.1	Temperature Rating <u>-65°C to +165°C</u>
Frequency Range (GHz) <u>DC to MAX</u>	Recommended Mating Torque <u>4 - 5 in-lbs</u>	Vibration MIL-STD-202, Method 204, Condition D.
<u>OPERATING FREQUENCY OF CABLE</u>	Mating Characteristics:	Shock MIL-STD-202, Method 213, Condition I.
Volt Rating (VRMS MAX) @ Sea Level <u>250</u>	Insertion (MAX Lbs) <u>3.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +85°C
VSWR <u>1.07±.015 f(GHz)</u>	Withdrawal (MIN Oz) <u>1.0</u>	Moisture Resistance MIL-STD-202, Method 106
Insertion Loss (dB MAX) <u>.04 √f(GHz)</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
RF Leakage (dB MIN) <u>-60 dB @ 2-3 GHz</u>	Center Contact Captivation	
Corona, 70,000 Ft (VRMS MIN) <u>190</u>	Axial (Lbs) <u>4.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u>	Radial (In-Oz) <u>N/A</u>	
Contact Resistance (Milliohms MAX)	Cable Retention	
Center Contact <u>4.0</u>	Axial Force (Lbs MIN) <u>10</u>	
Outer Contact <u>2.0</u>	Torque (In-Oz) <u>N/A</u>	
Cable to Housing <u>5.0</u>	Weight (Grams) <u>TBD</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u>		
LR.(Megohms MIN) <u>5,000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY <u>RNL</u> DATE <u>5/28/74</u>		AMP AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
TOLERANCE ON		CHECKED BY <u>RMF</u> DATE <u>5/29/74</u>		
FRAC. ± 1/64	DEC. ±.005	ANGLES ± °	APPD BY <u>PRB</u> DATE <u>5/29/74</u>	
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 408-04787 (10-015) NO. AP. _____		TITLE <u>OSSM STRAIGHT CABLE PLUG CRIMP CLAMP ATTACHMNET</u> SIZE <u>B</u> CODE IDENT NO. <u>1031-7196-00</u> REV <u>01₃</u> SCALE <u>5 : 1</u> SHEET <u>1 OF 1</u>

CUSTOMER DRAWING

AMP PART # 1045492-1
SHEET 1 OF 1 REV A