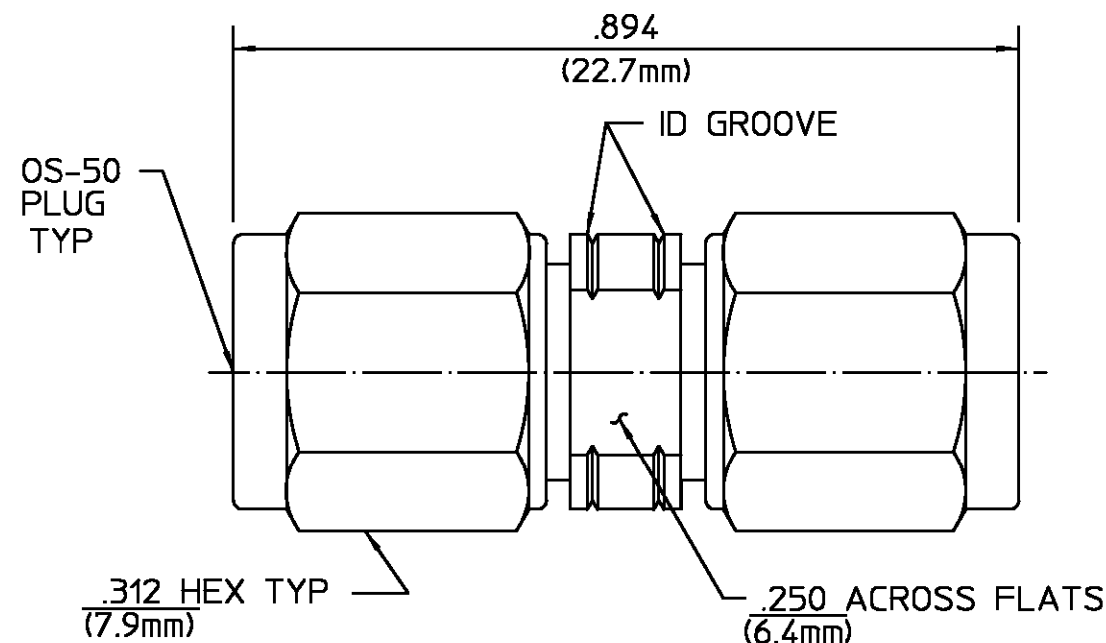




REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
--	UPDATED	6/3/93	BB
B	PER EC 0U20-0116-01-02	01NOV01	C. Hwang

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50 ±1	Interface Dimensions	Temperature Rating -55° to +125°C
Frequency Range (GHz) DC to 50	See Catalogue	Vibration MIL-STD-202, Method
Volt Rating (VRMS MAX)	Mating Characteristics:	204, Condition D, 20Gs
@ Sea Level N/A	Insertion (MAX Lbs) 2	Shock MIL-STD-202, Method 213,
VSWR DC to 18 GHz : 1.11MAX	Withdrawal (MIN Oz) 1	Condition I, 100Gs
18 to 26.5 GHz : 1.13MAX	Force to Engage (In/Lbs MAX) 2	Thermal Shock MIL-STD-202,
26.5 to 50 GHz : 1.29MAX	Center Contact Captivation	Method 107, Condition B
Insertion Loss (dB MAX) .07x√f(GHz)	Axial (Lbs) 4	Moisture Resistance MIL-STD-202,
RF Leakage (dB MIN) (Interface Only,		Method 106
Fully Mated) -(90-f(GHz))		Corrosion - MIL-STD-202, Method
Corona, 70,000 Ft (VRMS MIN) 150		101, Condition B
Dielectric Withstanding Voltage		
(VRMS MIN) @ Sea Level 500		
Contact Resistance (Milliohms MAX)		
Center Contact 4.0		
Outer Contact 4.0		
RF High Potential @ Sea Level		
(VRMS MIN @ 5 MHz) 600		
I.R.(Megohms MIN) 5000		

HOUSING	STAINLESS STEEL PER	PASSIVATE PER
BUSHING	ASTM-A484 AND ASTM-	ASTM-A380
COUPLING NUT	A582, TYPE 303	
DIELECTRIC	TFE FLUOROCARBON	N/A
	PER ASTM-D-1457	
CENTER CONTACT	BRASS PER ASTM-B-16,	GOLD PLATE PER
	HALF HARD	MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER	N/A
	ASTM-B196, ALLOY	
	C17300, CONDITION H	
GASKET	SILICON RUBBER PER	N/A
	ZZ-R-765	
COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED	DRP BY 02-26-87	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
DIMENSIONS ARE IN INCHES	CHECKED BY 05-11-89	
TOLERANCE ON	APPROD BY 05-11-89	
FRAC. DEC. ANGLES		
± 1/64 ±.005 ± 1°		
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	TITLE
	NO. AP. N/A	OS-50 PLUG TO PLUG ADAPTER
	SIZE B	CODE IDENT NO. 26805
	SCALE 5:1	8581-0000-02
		REV 020
		SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1063387-1
SHEET 1 OF 1 REV B