



DESIGNED FOR USE WITH	FE12RL
CABLE ENTRY DIAMETER	MINIMUM
CONTACT	.023
HOUSING	.109

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	RELEASED	6/8/1998	<i>[Signature]</i>

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50 ±1</u>	Interface Dimensions <u>SEE CATALOG</u>	Temperature Rating <u>-65° to +125°C</u>
Frequency Range (GHz) DC to <u>2</u>	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Insertion (MAX Lbs) <u>3</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.05±.01</u> f(GHz)	Withdrawal (MIN Oz) <u>0.5</u>	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX) <u>.04x√f(GHz)</u>	Force to Engage (In-Lbs MAX) <u>3</u> & Disengage (In-Lbs MAX) <u>15</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(90-f(GHz))</u>	Center Contact Captivation Axial (Lbs) <u>4</u>	Corrosion - MIL-STD-202, Method 101, Condition B
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Cable Retention Axial Force (Lbs MIN) <u>30</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>675</u>	Torque (In-Oz MIN) <u>16</u>	
Contact Resistance (Milliohms MAX)	Weight (Grams) <u>TBD</u>	
Center Contact <u>6.0</u>		
Outer Contact <u>3.0</u>		
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>		
LR.(Megohms MIN) <u>5000</u>		

COMPONENT	MATERIAL	FINISH
HOUSING MOUNTING NUT LOCKWASHER	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
O-RING	FLUOROSILICONE 60 (DUROMETER) PER MIL-R-25988, CLASS 1, TYPE 1	N/A

  

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY <i>[Signature]</i> DATE <u>1/21/98</u>	<b>AMP</b> AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°	CHECKED BY	
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USE ASS'Y PROCEDURE	NO. AP. <u>TBD</u>	TITLE <b>OSSP BULKHEAD FEEDTHRU CABLE PLUG-DIRECT SOLDER ATTACHMENT</b>
SCALE <u>5:1</u>	SIZE <u>B</u> CODE IDENT NO. <u>26805</u>	4703-5010-00 SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1252853-1  
SHEET 1 OF 1 REV B  
PER EC # OU20-0261-01