



DESIGNED FOR USE WITH .085 DIA S.R. CABLE	
CABLE ENTRY DIAMETER MINIMUM	.021
CONTACT	.089
HOUSING	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
042	SEE ECN 80-0084	GD 2-4-80	TS 2/4/80
043	REDRAWN ON CAD PER ECN 88-0678	BB 9-3-91	<i>BB</i> 9/10/91

HOUSING COUPLING NUT	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
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
COMPONENT	MATERIAL	FINISH

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A	Temperature Rating -65°C to +105°C
Frequency Range (GHz) DC to 18.0	Fig. 310.1	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX)	Recommended Mating	Shock MIL-STD-202, Method 213, Condition 1
Sea Level 335	Torque 7 to 10 In-LBs	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C
VSWR 1.05 ± .005 (GHz)	Mating Characteristics:	Moisture Resistance MIL-STD-202, Method 106
Insertion Loss (dB MAX) .03 √(GHz)	Insertion (MAX Lbs) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
RF Leakage (dB MIN) -(90-(GHz))	Withdrawal (MIN Oz) N/A	
Corona, 70,000 Ft (VRMS MIN) 250	Force to Engage and Disengage (In-Lbs MAX) 2.0	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1000	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) N/A	
Center Contact 3.0	Radial (In-Oz) N/A	
Outer Contact 2.0	Cable Retention	
Cable to Housing 0.5	Axial Force (Lbs) 30	
RF High Potential Sea Level (VRMS MIN) 5 MHz 670	Torque (In-Oz) 16	
IR (Megohms MIN) 10,000	Weight (Grams) T.B.D.	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DATE 9/1/76	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
TOLERANCE ON	CHECKED BY RMF 9/9/76	
FRAC. DEC. ANGLES ± 1/64 ± .005 ± °	APPROVED BY RMF 9/13/76	
USE ASSY PROCEDURE	408-04762 (20-004)	TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT
NO. AP. (20-004)	NO. AP. (20-004)	SIZE B CODE IDENT NO. 26805 2001-5032-00 REV 043
		SCALE 5:1 SHEET 1 OF 1

CUSTOMER DRAWING AMP PART # 1050547-1 SHEET 1 OF 1 REV A