



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

$P_o = 300$ WATT
 GAIN = +16dB
 $B+ = +28-30$ VDC
 $E_{ff} = 75-80\%$

DRN BY	S. K. LEONG	5/15/99
CHKD		
ELECT		
MECH		
PRDC		
QUAL		
PGMS		

POLYFET RF DEVICES		
SCHEMATIC		
88-108 MHz P.A.		
SIZE	FSCM NO.	REV
A		TB-112
SCALE:		SHEET OF

TB-112
PARTS LIST-ASSEMBLY, SR704 AMP 88-108

ITEM	PART NO.	DESCRIPTION		REF DES.	QTY
1	SR704	TRANSISTOR FET	POLYFET	Q1	1
2	50 COAX #UT34M 2.5" LONG, BALUN #BN61202, 125u	TRANSFORMER		T1	1
3	50 COAX UT34M 3.5" LONG, BALUN #BN61202, 125u	TRANSFORMER		T2	1
4	4 BALUNS #BN612402 18 COAX CE18062 3/8 DIA, 125u	TRANSFORMER 911 3" LONG EA SIDE		T3	1
5	18 COAX CE18062 5/8 DIA, 2 TURNS EA	TRANSFORMER 911 6 1/2" LONG EA		T4	1
6	50 141 COAX 3/4 DIA, 4 TURNS	TRANSFORMER 15" LONG		T5	1
7	ATC 100B 561J CAX	CAPACITORS 560pF	ATC	C1 & C2	2
8		CAPACITORS .082uF		C3, C4, C11, C12 & C14	5
9	ATC 100B 160J CAX	CAPACITOR 16pF	ATC	C5	1
10	ATC 100B 103M CAX	CAPACITOR 10,000pF	ATC	C6, C7, C8 & C9	4
11	R5201	TRIMMER CAPACITOR 1-10pF	JOHANSON	C10	1
12		ELECTROLYTIC CAPACITOR 10MFD 35V		C13	1
13	X570-102P	STAND OFF CAPACITOR 1000pF		C15	1
14	RJ2EFP-103	POTENTIOMETER 10K	BOURNS	R1	1
15		RESISTOR 1K 1/4W		R2	1
16		RESISTOR 10 1W		R3 & R4	2
17	MC78L12CP	POSITIVE VOLTAGE REGULATOR 12V	MOTOROLA	IC1	1
18		ZENER DIODE 10V		Z1	1
19	#22 AWG BUS WIRE 1" LONG 1/2 TURN	INDUCTOR		L1	1
20	#18 AWG CENTER TAP 2.2" LONG 3 TURNS 1/8 DIA	INDUCTOR		L2	1
21	24 AWG 10 TURNS TOROIDAL CORE #FT37-43	INDUCTOR 850u		L3	1
22	18 AWG 10 TURNS TOROIDAL CORE #FT50A-43	INDUCTOR 850u		L4 & L5	2