

MODEL SP-6A PREAMPLIFIER
SCHEMATIC & PARTS LIST

REV. E
3-15-79

audio research corporation
2843 TWENTY-SIXTH AVENUE SOUTH
MINNEAPOLIS, MINNESOTA 55406

SP-6A PARTS LIST

COMPONENT	QUAN.	DESCRIPTION	VALUE	RATING	TOL.	ARC PART NO.
V1-6	6	ECC83/12AX7A				32000100
D1-8,13	9	1N4005				30500400
D9-12	4	1N4006				30502200
ZD1-17	17	1N5368B	47V	5W	5%	30500100
LED1,2	2	LED				34300100
Q1	1	MJ413 Transistor				30003600
Q2,3	2	MJ410 Transistor				30000400
RV1	1	Balance Control	100K	LinTaper	10%	45100525
RV2	1	Gain Control	100K	LogTaper	10%	45100523
VR1	1	7824 Voltage Regulator	24V	1A	+1V	31000500
R1	2	Metal Film	49.9K	1/2W	1%	42499403
R2	2	Carbon Comp.	4.7K	1/2W	5%	41470303
R3	2	Wirewound	300K	2/10W	1%	43300501
R4,23	4	Metal Film	2.21K	1/2W	1%	42221303
R5,20,24	6	Carbon Comp.	470K	1/2W	5%	41470503
R25	2	Metal Film	1.2K	1/2W	2%	46120301
R7,22,26	6	Metal Film	301K	3/4W	1%	42301504
R8,27	4	Metal Film	100K	3/4W	1%	42100504
R9	2	Metal Film	1.82Meg	1/2W	1%	42182603
R10	2	Metal Film	100K	1/2W	1%	42100503
R11,19,14-17	10	Carbon Comp.	4.7K	1/4W	5%	41470302
R12,30	4	Carbon Comp.	470Ω	1/2W	5%	41470203
R13,29	4	Carbon Comp.	1Meg	1/2W	5%	41100603
R18	2	Carbon Comp.	470Ω	1/4W	5%	41470202
R21	2	Carbon Comp.	1.8K	1/2W	5%	41180303
R6	2	Metal Film	1.5K	1/2W	1%	42150303
R28	2	Metal Film	4.99K	1/2W	1%	42499303
R31	2	Metal Film	12.1K	1/2W	1%	42121403
R33	1	Carbon Comp.	10Ω	2W	5%	41100105
R34,35	2	Carbon Comp.	100K	2W	5%	41100505
R36	1	Carbon Comp.	100K	1/2W	10%	40100503
R39,41	2	Carbon Comp.	820Ω	1/2W	5%	41820203
R40	1	Carbon Comp.	1.8K	1W	5%	41180308
R42	1	Carbon Comp.	1K	1W	5%	41100304
R43	1	Carbon Comp.	10K	1W	10%	40100404
R44-46	3	Carbon Comp.	270K	2W	10%	40270505
R47,48	2	Carbon Comp.	8.2K	2W	5%	41820305
R49	1	Carbon Comp.	18K	1W	5%	41180404
R50	2	Carbon Comp.	15Meg	1/2W	5%	41150703
C1,2,8	6	Dipped Mica	20pF	500V	5%	57200100
C3	2	Metalized Mylar	.47μF	400V	10%	53470502
C4,10	4	Metalized Mylar	15μF	200V	10%	53150700
C5	2	Dipped Mica	2500pF	500V	2%	57250301
C6	2	Dipped Mica	750pF	500V	2%	57750201
C7	2	Metalized Mylar	1.0pF	100V	10%	53100600
C9,16,24-26	6	Metalized Mylar	.22μF	600V	10%	53220503
C11	1	Metalized Mylar	.01μF	1600V	10%	53100403
C12,13	2	Electrolytic	2X1500μF	50V	-10/+75%	50150900
C14,15	2	Electrolytic	300μF	300V	-10/+75%	50300800
C17	1	Electrolytic	2X75μF	475V	-10/+75%	50750700
C18-23	6	Electrolytic	200μF	450V	-10/+75%	50200801
C27	2	Dipped Mica	56pF	500V	5%	57560100
F1	1	SloBlo 120VAC (240VAC)	1/2A 1/4A	250V 250V)		34500200 34500100
T1	1	Transformer				60003400
OT1-4	4	AC Receptacle				23200500
SW1	1	Source Switch				24001000
SW2,5	2	DPDT Gold Contact				24100400
SW3	1	Mode Switch				24000700
SW4	1	DPDT Silver Contact				24100100
SW6	1	DPDT Silver Contact				24100600
SW7,8	2	DPDT Silver Contact				24100700
K1	1	Relay				64100300
J1-16	16	Phono Jack				23201000