

PARTS LIST * AR-316 * VOLTAGE CONTROLLED AMPLIFIER

NUMBER	QUANTITY	DESCRIPTION	VALUE AND RATINGS
C1,2	2	Capacitor,Tantalum	1 mfd, 25v
C3,4	2	Capacitor,Disc	33 pf
Q1	1	Transistor, NPN	2N3393 or TE3393
Q2	1	Transistor, PNP	2N3638
R1,3	2	Potentiometer,1/4" shaft	100k Log
R2,4,5,6	4	Resistor,Carbon	100k 10%
R7,9	2	" "	220 ohm, 10%
R8	1	" "	330 k ohm, 10%
R11	1	Resistor,Carbon	1.5k, 10%
R12	1	" "	33k, 10%
R10,13,31	3	Trimpot	50k,linear
R14	1	Resistor,Carbon	47k 10%
R15,16	2	" "	1k, 10%
R17,23	2	Potentiometer, 1/4" shaft	100k, linear
R18,19,20,21	4	Resistor,Carbon	100k, 5%
R24	1	" "	2.7k 10%
R25	1	" "	150k 5%
R26	1	" "	56k 5%
R27	1	" "	3.3k 5%
R22	1	Resistor,Carbon	150k 5%
R29	1	" "	1 meg, 5%
R30,33	2	" "	10k 10%
R32	1	" "	15k 10%
S1	1	Switch,Toggle	DPDT
U1	1	Operational Transconductance Amp	CA3080 (RCA)
U2,3	2	Operational Amplifier	LM301A
	2	P C Card Guides	
	12	Jack,Miniphones	
	1	Printed Circuit Board	
	1	Front Panel	
	4	Knob, 1/4" shaft	
	1	Frame	
	2	Bracket	
	6	Screw, 4-40 x 3/8"	
	6	Nut,4-40	