

PARTS LIST

All fixed resistors are 1/4-watt, 5% values.

R1	1k trimmer potentiometer
R2	1.2k
R3, R4	1.5k
R5	5.6k
R6 - R9	10k
R10	10k trimmer potentiometer
R11 - R13	10k linear potentiometer
R14, R15	12k
R16, R17	24k
R18	30k
R19, R20	100k
R21 - R23	100k trimmer potentiometer
R24 - R26	100k linear potentiometer
R27	120k
R28	470k
R29, R30	10M

Semiconductors

D1	1N4148 diode
D2 - D5	1N4002 rectifier (or equivalent bridge rectifier BR1)
D6	LED
IC1	8038 function generator
IC2	TL074 quad op-amp
IC3	78L12 regulator
IC4	79L12 regulator

All capacitors are 16V unless noted.

C1	0.001 μ F mylar
C2	0.0047 μ F mylar
C3, C4	0.01 μ F disc
C5, C6	0.1 μ F disc
C7	4.7 μ F electrolytic
C8, C9	470 μ F/25V electrolytic

Other components

J1 – J4	1/4" phone jack, n.o.
S1	SPST switch
T1	24VCT transformer
P1	line cord and plug

Miscellaneous: printed circuit board, IC sockets, enclosure, knobs, wire, optional fuse, etc.