

Bill Of Materials WIDE RANGE PLASMA VU-METER -120dB

Revision: 1.1

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Resistors 1% metal 1/4w

1	R1	2M
1	R2	150
2	R3,R9	220k
1	R4	442k
1	R5	330
1	R6	5k1
5	R7,R24-R27	10k
1	R8	18k
1	R10	4k7
3	R11,R20,R21	10
1	R12	51
1	R13	80k
1	R14	5kTC (tempco 3500ppm /°) or 5k1
1	R15	60k4
1	R17	20k
1	R18	9k1
1	R23	7k5

Capacitors

1	C1	4,7uF /25V chemical
1	C2	4n7 film
2	C3	100uF/25V chemical
1	C4	22uF/ 250Vchemical
3	C5,C8,C12	100n film
4	C6,C9,C14,C15	22uF/25Vchemical
1	C7	47p ceramic
1	C10	10uF/25V chemical

(C13 is not implemented.)

Integrated Circuits

1	U1	That 4301P
1	U2	NE555
1	U3	LM358

Transistors

1	Q1	MJE340
1	Q3	IRF840
1	Q4	BC548 or NPN equivalent

Diodes

1	D1	BYV27
1	D2	6V2 zener
1	D3	BAT34* or 1N4148 (optional protection)

Miscellaneous

1	J1	connector socket 2,54mm 3pins IN13
1	J2	connector socket 2,54mm 4pins PSU
1	J3	connector socket 2,54mm 2pins IN1
1	J4	connector socket 2,54mm 2pins CV OUT (optional)
1	L1	100u to 330u/1A coil
2	RV1,RV4	multiturn 10k trimmer vetical
1		DIL 20pins IC socket (optional)
2		DIL 8 pins IC socket (optional)