

Bill Of Materials

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Design: TETRODE AMPLIFIER DESIGN SUITE G1 SUPPLY & HV-G2 SEQUENCER

Doc. no.: Amateur Radio

Revision: 6a

EXAMPLE VALUES IN RED. ADAPT TO YOUR NEED !

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Modified: 15/10/2018

QTY	PART-REFS	VALUE	UZ	PACKAGE
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Resistors				

2	R1,R15	1M		0.25 W
0	R2	0.22 (OPTIONAL)		5 W VERTICAL
5	R3-R7	3.3M 3.5kV		0.5 W OR 1 W
2	R8,R9	56k		0.25 W
1	R10	1k		1 W
1	R11	220k		2 W
1	R12	47k		25 W CHASSIS
1	R13	10k		0.25 W
1	R14	2.2k		2 W
1	R16	6.98k 1%		0.25 W
1	R17	100k		0.25 W
Capacitors				

1	C1	1uF		PITCH 2.54 (150 V)
3	C2,C5,C9	100nF 50 V		PITCH 2.54 OR 5.08
2	C3,C6	150uF 400 V		DIA 22 PITCH 10
3	C4,C7,C8	10nF 1 or 2 kV		PITCH 5.08 OR 7.62
Integrated Circuits				

1	U1	LM358		DIL08
1	U2	TL431		TO92
Transistors				

3	Q1-Q3	BS170		TO92
1	Q4	ZVP3306A OR ZVP4424A		TO92
1	Q5	ZVP3306A OR ZVP4424A OR FQP8P10		TO92 TO220
Diodes				

1	D1	1N4148		DO35
4	D2-D5	1N4007		DO41
Miscellaneous				

2	DZ1,DZ16	BZX79C12	12	DO35 0.5 W
4	DZ2,DZ3,DZ17,DZ18	BZX79C51	51	DO35 0.5 W
1	DZ4	1N5357B	20	DO41 5 W
5	DZ5-DZ9	1N5377B	91	DO41 5 W
3	DZ10-DZ12	1N5374B	75	DO41 5 W
1	DZ13	1N5369B	51	DO41 5 W
1	DZ14	1N5359B	24	DO41 5 W
1	DZ15	BZX79C24	24	DO35 0.5 W
1	FU1	FAST FUSE 0.1A & HOLDER		5X20
16	Jx	TERMINAL BLOCK 2 POLES		PITCH 5.08
5	J17-J21	JUMPERS & DUAL PINS		PITCH 2.54
1	RL1	RELAY DPDT 8A		COIL 24 V DC
3	RL2-RL4	RELAY DIL16 DPDT		COIL 24 V DC
0	RV1	1k OPTIONAL		POT 1 TURN
1	RV2	1k		POT 1 TURN
1	RV3	100k		POT 1 TURN