

Bill Of Materials

VALUES FOR V G2 800 V 100 mA

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Design: TETRODE AMPLIFIER DESIGN SUITE V G2 1000 V MAX POWER SUPPLY & TRIP
 Doc. no.: Amateur Radio
 Revision: 6b
 Author: flfrv@sfr.fr
 Modified: 12/2021

QTY	PART-REFS	VALUE	UZ	PACKAGE
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Resistors				

1	R1	68k		25 W
2	R2,R11	8.2M 3.5kV		0.5 W OR 1 W
1	R3	270k		0.25 W
4	R12	3k (3 x 1k)		3 x 100 W CHASSIS
2	R14	1.5k (3 x 500R)		3 x 25 W CHASSIS
5	R4-R8	100k		2 W
1	R9	2.7k		0.25 W
3	R10,R17,R22	1M		0.25 W
1	R13	120k		0.25 W
1	R15	100k		0.25 W
1	R16	1k		1 W
1	R18	10		2 W
1	R19	100		0.25 W
1	R20	56k		0.25 W
1	R21	82k		0.25 W
Capacitors				

5	C1-C5	470uF 400 or 450 V		DIA 30 PITCH 10 mm
5	C6,C7,C9,C10,C12	100nF 50 V		PITCH 2.54 OR 5.08
1	C8	1uF 150 V		PITCH 2.5
2	C11,C13	10nF 2 kV		PITCH 7.5
Integrated Circuits				

1	U1	4N35/36/37		DIL06
1	U2	LM358N		DIL08
Transistors				

1	Q1	STW11NK100Z		TO247 1000 V
1	Q2	BC556		TO92
2	Q3,Q4	BS170		TO92
Diodes				

9	D1-D9	1N4007		DO41
1	DZ1	1N5363B	30	DO50 5 W
2	DZ2,DZ3	BZX79C3V6	3V6	DO35
1	DZ4	BZX79C12	12	DO35
1	DZ5	BZX79C51	51	DO35
Miscellaneous				

2	FU1,FU2	0.5A FAST		FUSE 5X20
2	FOR FUx	PROTECTED FUSE HOLDER		5x20
8	J1-J8	TERMINAL BLOCK 2 POLES		PITCH 5.08
1	Jx (FOR Q1)	TERMINAL BLOCK 3 POLES		PITCH 5.08
1	RL1	RELAY DIL16 2RT		COIL 24V
1	RV1	50k		POT 1 TURN
1	RV2	10k		POT 1 TURN
1	FOR U1	HEATSINK < 1.5°C/W + INSULATION PARTS		

Bill Of Materials

VALUES FOR V G2 350 V 100 mA

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QTY	PART-REFS	VALUE	UZ	PACKAGE
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Resistors				

1	R1	33k		10 W
2	R2,R11	1M		0.5 W 750 V
1	R3	39k		0.25 W
3	R4-R6	100k		2 W
4	R12	1.5k (3 x 500R)		3 x 50 W CHASSIS
2	R14	1k (OR 2 x 2.2k //)		50 W CHASSIS
1	R20	47k		0.25 W
Capacitors				

3	C1-C3	470uF 400 or 450 V		DIA 30 PITCH 10 mm
2	C11,C13	10nF 1 kV		PITCH 7.5
Transistors				

1	Q1	STW11NK100Z		TO247 1000 V