**Bill Of Materials COMMON PARTS FOR ALL G2 BOARDS**

**=================**

**Design: TETRODE AMPLIFIER DESIGN SUITE V G2 1500 V MAX POWER SUPPLY & TRIP**

**Doc. no.: Amateur Radio**

**Revision: 7**

**Author: f1frv@sfr.fr**

**Modified: 08/2022**

**QTY PART-REFS VALUE UZ PACKAGE**

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**Resistors**

**---------**

**1 R9 2.7k 0.25 W**

**3 R10,R17,R20 1M 0.25 W**

**1 R13 120k 0.25 W**

**1 R15 100k 0.25 W**

**1 R16 1k 1 W**

**1 R19 100 0.25 W**

**1 R21 82k 0.25 W**

**Capacitors**

**----------**

**6 C6,C7,C9-C12 100nF 50 V PITCH 2.54 OR 5.08**

**1 C8 1uF 150 V PITCH 2.5**

**1 C13 10nF 2 kV PITCH 7.5**

**Integrated Circuits**

**-------------------**

**1 U1 4N35/36/37 DIL6 + SOCKET**

**1 U2 LM358N DIL8 + SOCKET**

**Transistors**

**-----------**

**1 Q2 BC556 TO92**

**2 Q3,Q4 BS170 TO92**

**Diodes**

**------**

**9 D1-D9 1N4007 DO41**

**1 DZ1 1N5363B 30 DO41 5 W**

**2 DZ2,DZ3 BZX79C3V6 3V6 DO35 0.5 W**

**1 DZ4 BZX79C12 12 DO35 0.5 W**

**1 DZ5 BZX79C51 51 DO35 0.5 W**

**1 DZ6 BZX79C24 24 DO35 0.5 W**

**Miscellaneous**

**-------------**

**2 FU1,FU2 0.2A FAST FUSE 5X20**

**2 FOR FUx PROTECTED FUSE HOLDER 5x20**

**1 Jx (FOR Q1) TERMINAL BLOCK 3 POLES PITCH 7.62**

**4 J1-J4 TERMINAL BLOCK 2 POLES PITCH 7.62**

**4 J5-J8 TERMINAL BLOCK 2 POLES PITCH 5.08**

**1 RL1 RELAY DIL16 DPDT COIL 24V**

**2 RV1,RV3 50k POT 1 TURN**

**1 RV2 10k POT 1 TURN**

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**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 CHASSIS**

**2 R2,R11 1M 3.5kV VR37 0.5 W**

**1 R3 56k 0.25 W**

**2 R4,R5 100k 2 W**

**2 R12 2.2k 50 W CHASSIS**

**1 R14 1k 50 W CHASSIS**

**1 R18 22 2 W**

**Capacitors**

**----------**

**2 C1-C2 470uF 400 or 450 V DIA 30 PITCH 10 mm**

**Transistors**

**-----------**

**1 Q1 STW11NK100Z OR FGH30S130P TO247**

**Miscellaneous**

**-------------**

**1 FOR U1 HEATSINK ~ 1.5°C/W + INSULATION PARTS**

**Bill Of Materials VALUES FOR V G2 800 V 100 mA**

**=================**

**Design: TETRODE AMPLIFIER DESIGN SUITE V G2 1500 V MAX POWER SUPPLY & TRIP**

**Revision: 7**

**Author: f1frv@sfr.fr**

**QTY PART-REFS VALUE UZ PACKAGE**

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**Resistors**

**---------**

**1 R1 68k 25 W CHASSIS**

**2 R2,R11 3.9M 3.5kV VR37 0.5 W**

**1 R3 120k 0.25 W**

**4 R4-R7 100k 2 W**

**4 R12 1k 50 W CHASSIS**

**3 R14 470 25 W CHASSIS**

**1 R18 22 2 W**

**Capacitors**

**----------**

**4 C1-C5 470uF 400 or 450 V DIA 30 PITCH 10 mm**

**Transistors**

**-----------**

**1 Q1 FGH30S130P TO247**

**Miscellaneous**

**-------------**

**1 FOR U1 AIR COOLED HEATSINK ~ 0.7°C/W + INSULATION PARTS**

**Bill Of Materials VALUES FOR V G2 1000 V 100 mA**

**=================**

**Design: TETRODE AMPLIFIER DESIGN SUITE V G2 1500 V MAX POWER SUPPLY & TRIP**

**Revision: 7**

**Author:** [**f1frv@sfr.fr**](mailto:f1frv@sfr.fr)

**QTY PART-REFS VALUE UZ PACKAGE**

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**Resistors**

**---------**

**1 R1 100k 50 W CHASSIS**

**2 R2,R11 8.2M 3.5kV VR37 0.5 W**

**1 R3 220k 0.25 W**

**4 R4-R7 100k 2 W**

**5 R12 1k 50 W CHASSIS**

**1 R14 1k 50 W CHASSIS**

**1 R18 22 2 W**

**Capacitors**

**----------**

**4 C1-C4 470uF 400 or 450 V DIA 30 PITCH 10 mm**

**Transistors**

**-----------**

**1 Q1 FGH30S130P OR FGH30S150P TO247**

**Miscellaneous**

**-------------**

**1 FOR U1 AIR COOLED HEATSINK ~ 0.5°C/W + INSULATION PARTS**

**Bill Of Materials VALUES FOR V G2 1250 V 100 mA**

**=================**

**Design: TETRODE AMPLIFIER DESIGN SUITE V G2 1500 V MAX POWER SUPPLY & TRIP**

**Revision: 7**

**Author: f1frv@sfr.fr**

**QTY PART-REFS VALUE UZ PACKAGE**

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**Resistors**

**---------**

**1 R1 120k 50 W CHASSIS**

**2 R2,R11 8.2M 3.5kV VR37 0.5 W**

**1 R3 180k 0.25 W**

**5 R4-R8 100k 2 W**

**6 R12 1k 50 W CHASSIS**

**1 R14 1k 50 W CHASSIS**

**1 R18 22 2 W**

**Capacitors**

**----------**

**5 C1-C5 470uF 400 or 450 V DIA 30 PITCH 10 mm**

**Transistors**

**-----------**

**1 Q1 FGH30S150P TO247**

**Miscellaneous**

**-------------**

**1 FOR U1 AIR COOLED HEATSINK ~ 0.5°C/W + INSULATION PARTS**

**Bill Of Materials VALUES FOR V G2 1500 V 100 mA**

**=================**

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**QTY PART-REFS VALUE UZ PACKAGE**

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**Resistors**

**---------**

**1 R1 150k 50 W CHASSIS**

**2 R2,R11 10M 3.5kV VR37 0.5 W**

**1 R3 180k 0.25 W**

**5 R4-R8 100k 2 W**

**9 R12 1k 50 W CHASSIS**

**2 R14 3.3k 25 W CHASSIS**

**1 R18 22 2 W**

**Capacitors**

**----------**

**5 C1-C4 470uF 400 or 450 V DIA 30 PITCH 10 mm**

**Transistors**

**-----------**

**1 Q1 FGH30S150P TO247**

**Miscellaneous**

**-------------**

**1 FOR U1 AIR COOLED HEATSINK ~ 0.5°C/W + INSULATION PARTS**