



Parts List, Rectifier Unit

Designator	Qty.	Mouser Part No.	Description
D1-D4	4	512-1N5408	3A 1000V rectifier diode (see note 1)
D5-D7	3	625-1N4007-E3	1A 1000V rectifier diode (see note 2)
R1, R2	2	660-MOS2CT52R393J	39K 2 Watt resistor (see note 3)

Parts List, for each CDI Unit

D1, D2	2	625-1N4007-E3	1A 1000V rectifier diode
R1	1	660-MOS2CT52R242J	2.4K 2 Watt resistor (see note 3)
R2	1	660-MOS1CT52R102J	1K 1 Watt resistor
C1	1	1429-6223	.022 uF 630 Volt capacitor
C2	1	1429-2473	.047 uF 250V capacitor
C3	1	871-B32676E4305K	3 uF 630V capacitor
Q1	1	526-NTE5438	8A 600V thyristor (SCR)

Note 1: Schematic shows 1N5407, a 3A 800V diode, which is adequate. Current part pricing suggests using 1N5408 as a substitute, since this part is similar, but with a 1000V rating.

Note 2: Schematic shows 1N4007, a 1A 1000V diode, which is adequate. Depending on mechanical considerations when assembling the circuit, the builder may prefer to use the same diodes chosen for D1-D4, which are physically larger.

Note 3: Schematic shows a slightly different resistance. This value is not critical, and parts list values were chosen based on availability and price.