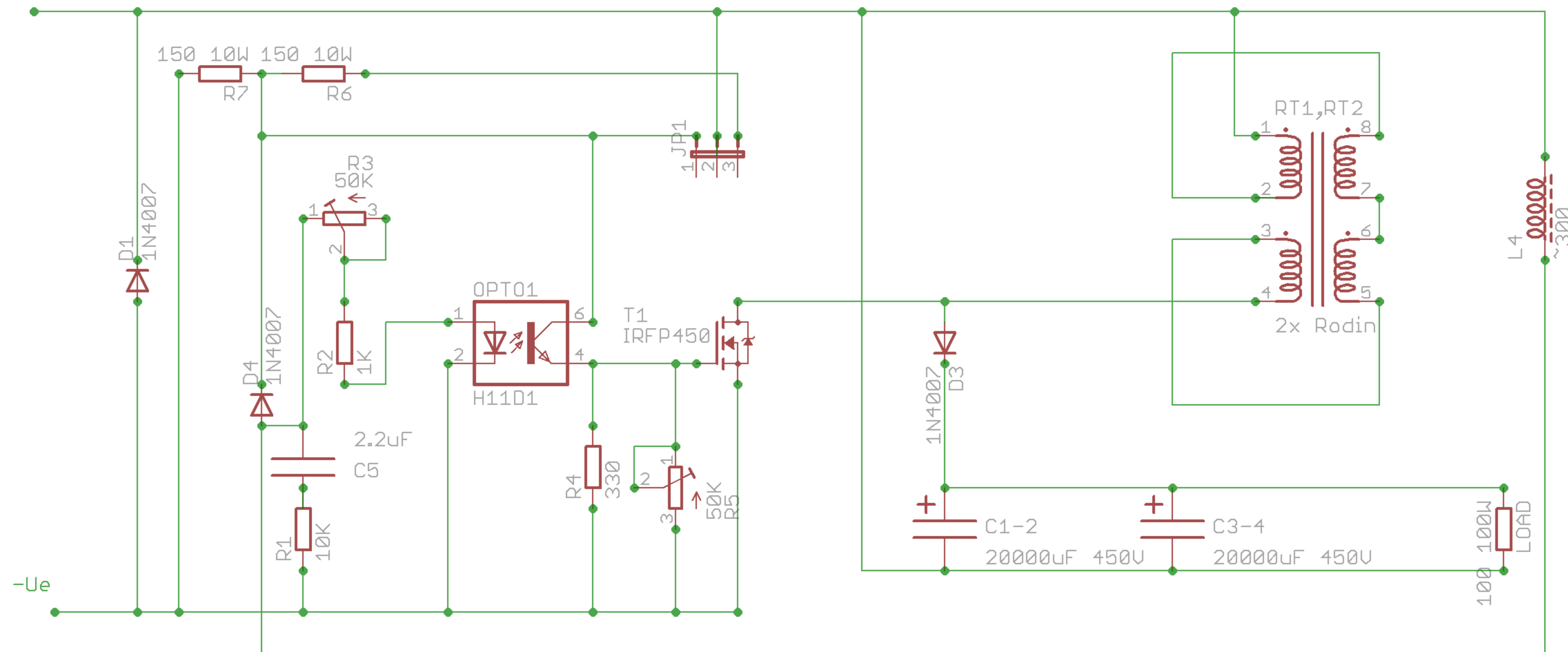


Ue =10-51VDC JP1 Select



R6 & R7 bring the voltage down

D1 - D3= 1N4007 (D1 adds a little safety)

+Ue over L4 (Pickup Coil) to (R1, D2 & C5) Filter

R2 & R3 Control the intensity on pin 1 of Opto 1

R4 & R5 control the Gate voltage of T1

D3 not only works as a safety for T1 but captures the back EMF for storage on C1 - C4

RT1 Pin 1 is connected to +Ue Pin2 (center tap) to RT2 Pin8

RT2 Pins 7 & 8 (Center Tap) are joined.

T1 Drain to RT1 Pin4 & RT1 Pin3 to RT2 Pin5

Load 100 100W Resistor /Your Load i.e. 20W CFL or a Battery charge circuit

Input Voltage selectable over JP1. Pin 1 & 2 0-~20VDC. Pin 2 & 3 20-~55VDC

L4 (pickup Coil) is nothing other than a Ferite cored Choke with ~300 windings.

TITLE: Double Rodin Triggered by Opto

Document Number:
001-Dual Rodin Ferite Core

REV:
1

Date: 01.03.2010 17:20:09

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