

PE-3

List of items needed:

Item	Value	Current	Voltage
Capacitor	31.25 uf	-	12v
Inductor	3 mh	2 A	-
Resistance	7.2 Ω	2A	12
MOSFET	-	4 A	24V
Voltage Source	24 V		
Diode	-	4A	24V
Multimeter			

D = 50 %

Switching Frequency (f_{sw}) = 20KHZ