

Switched Mode Power Conversion

Problem Set 01

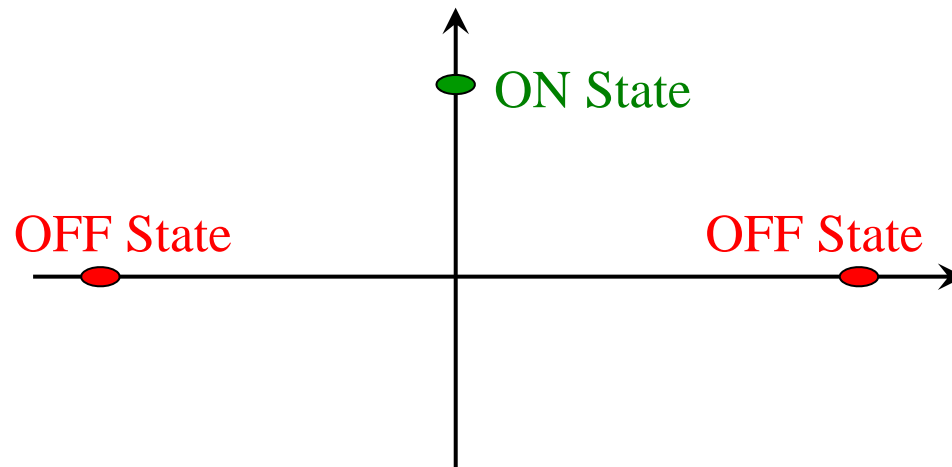
Selected Problems:

Devices for Efficient Power Conversion

Switched Mode Power Conversion

Problem Set 01

Problem No. 1

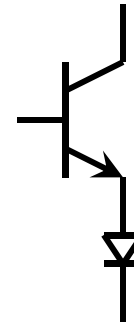
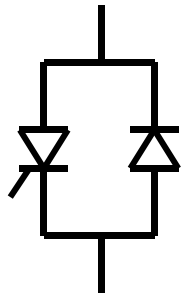


Problem No. 1

Switched Mode Power Conversion

Problem Set 01

Problem No. 2

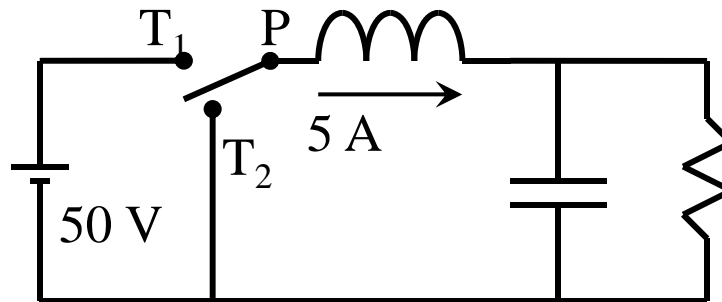


Problem No. 2

Switched Mode Power Conversion

Problem Set 01

Problem No. 3

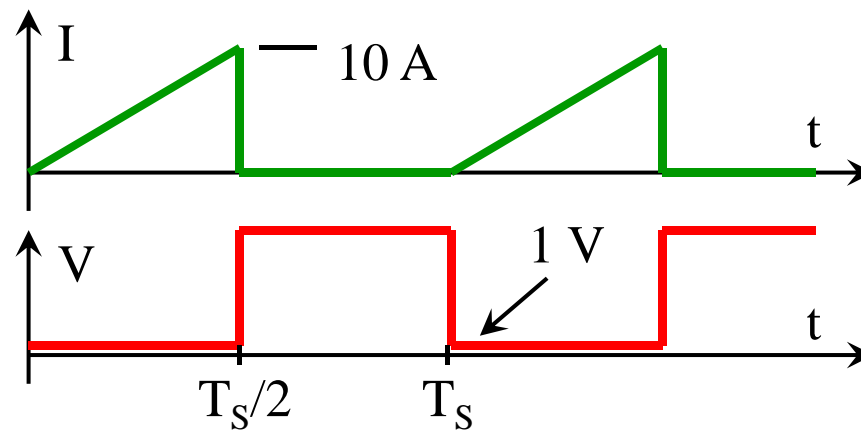


Problem No. 3

Switched Mode Power Conversion

Problem Set 01

Problem No. 4

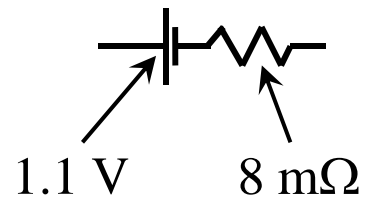
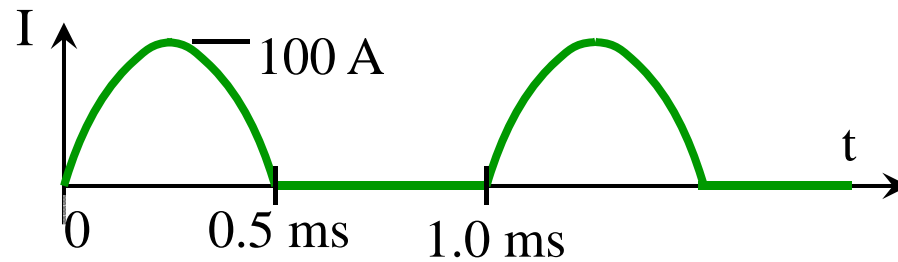


Problem No. 4

Switched Mode Power Conversion

Problem Set 01

Problem No. 5

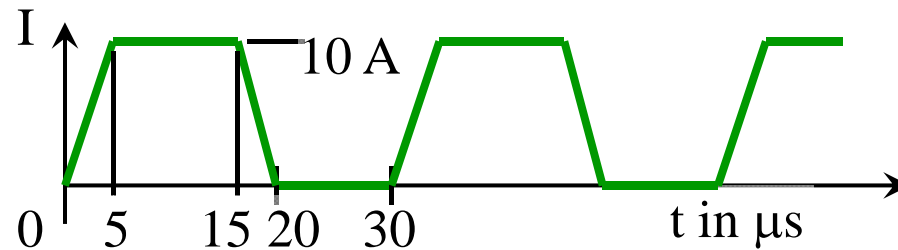


Problem No. 5

Switched Mode Power Conversion

Problem Set 01

Problem No. 6



BJT with $V_{CE}(\text{sat}) = 1.2 \text{ V}$

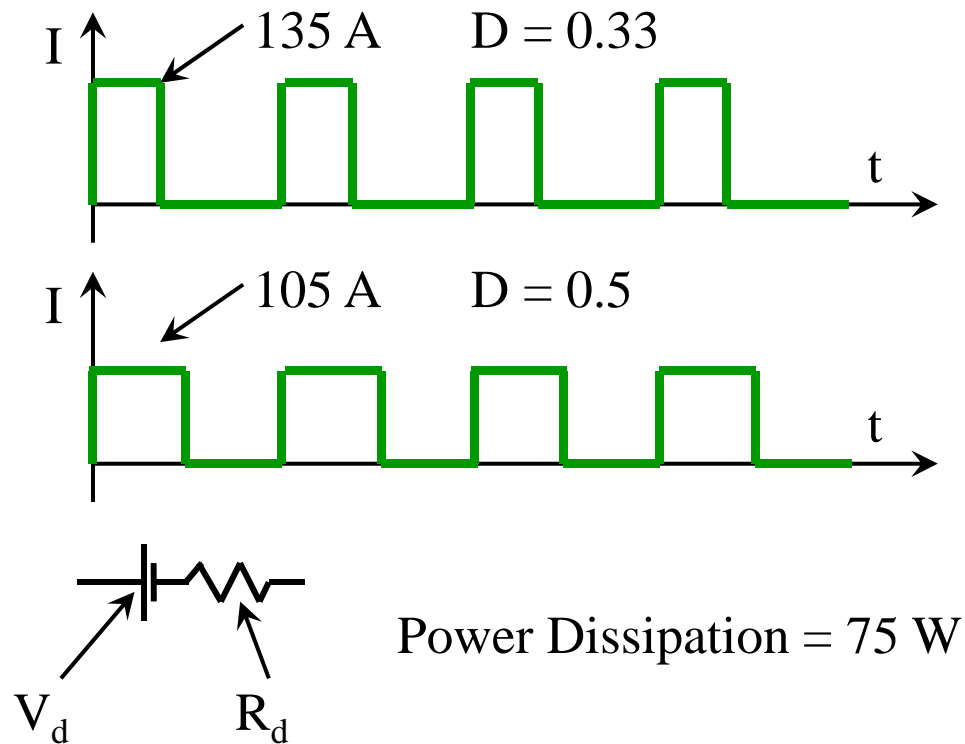
MOSFET with $R_{ds}(\text{on}) = 150 \text{ m}\Omega$

Problem No. 6

Switched Mode Power Conversion

Problem Set 01

Problem No. 7

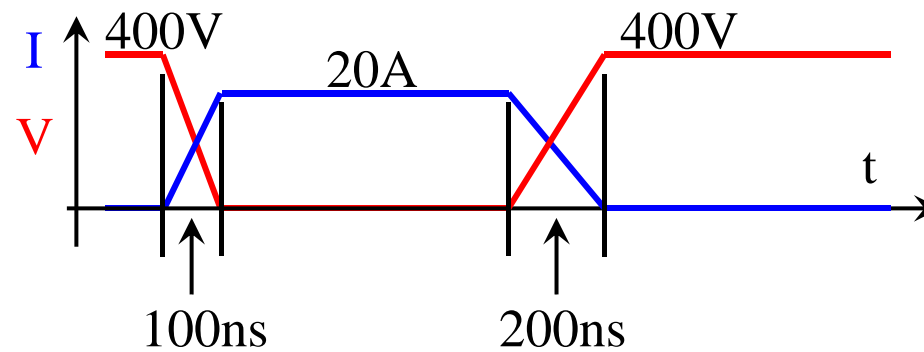


Problem No. 7

Switched Mode Power Conversion

Problem Set 01

Problem No. 8

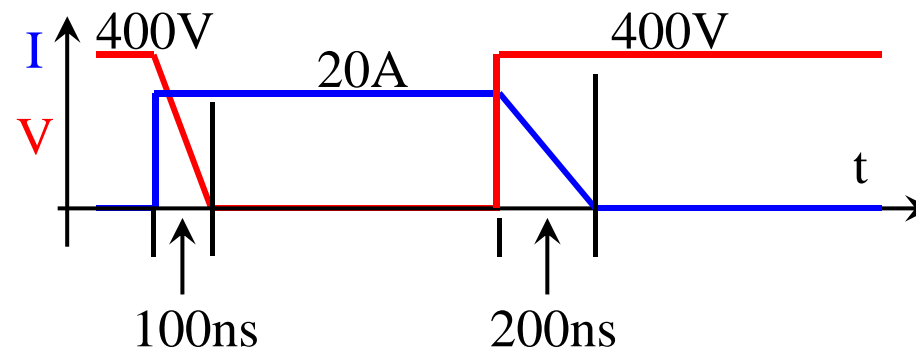


Problem No. 8

Switched Mode Power Conversion

Problem Set 01

Problem No. 9

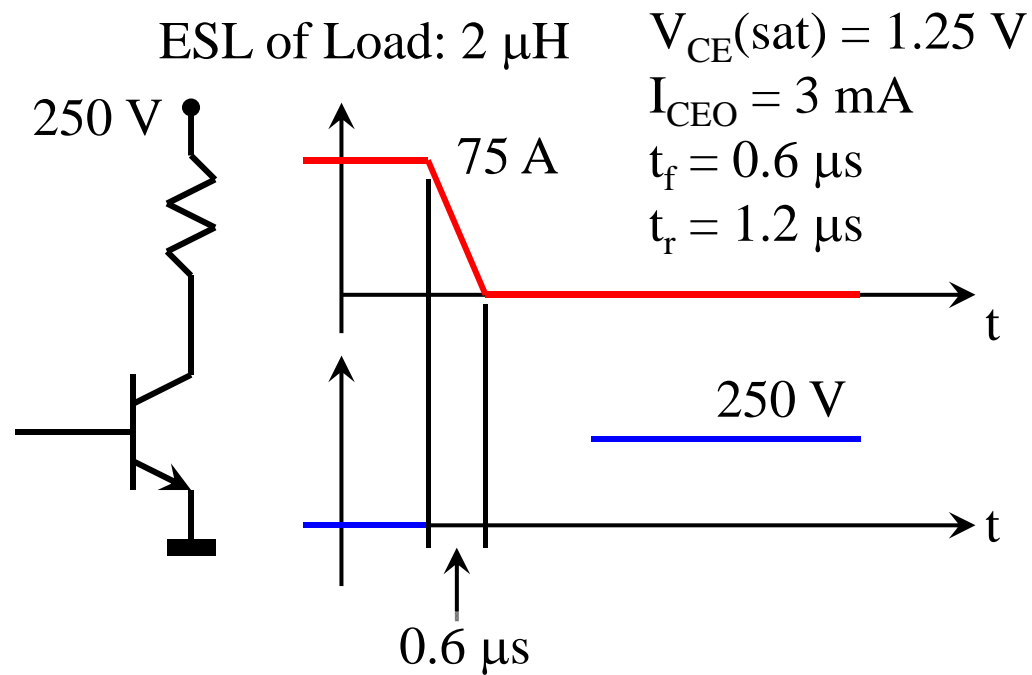


Problem No. 9

Switched Mode Power Conversion

Problem Set 01

Problem No. 10



Problem No. 10