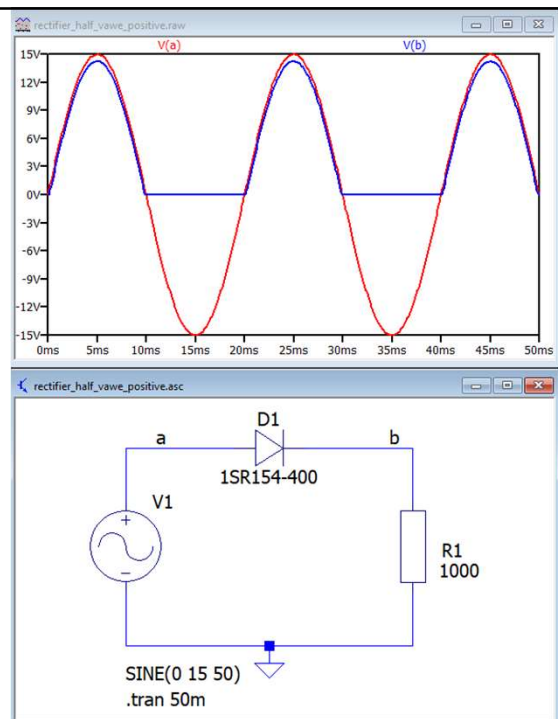


Схеми с диоди

1

Схеми с диоди - изправител

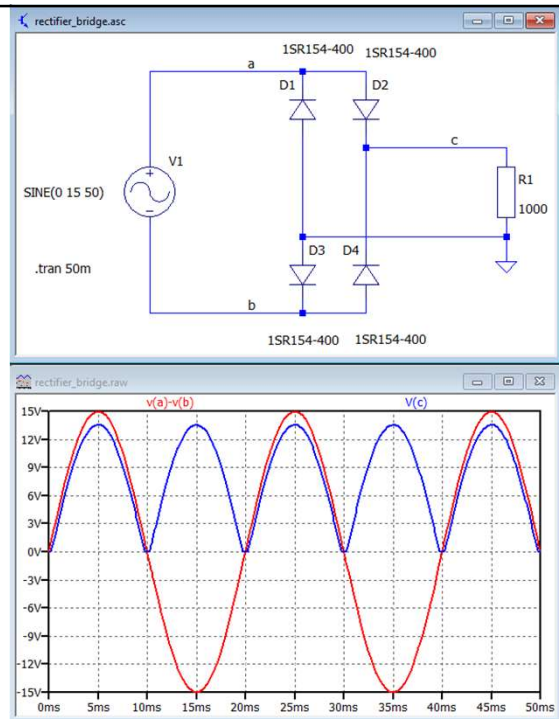
Diods/ rectifier_half_vawe_positive.asc



2

Схеми с диоди - изправител

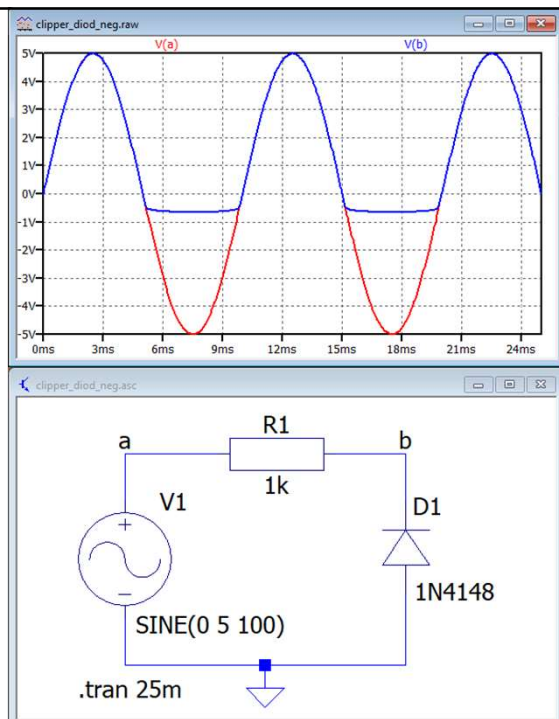
Diodes/rectifier_bridge.asc



3

Схеми с диоди - ограничители

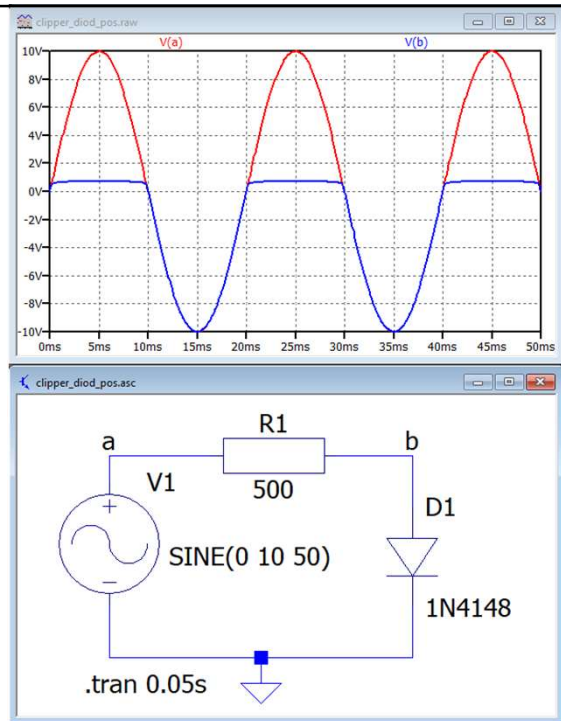
Diodes/clipper_diod_neg.asc



4

Схеми с диоди - ограничители

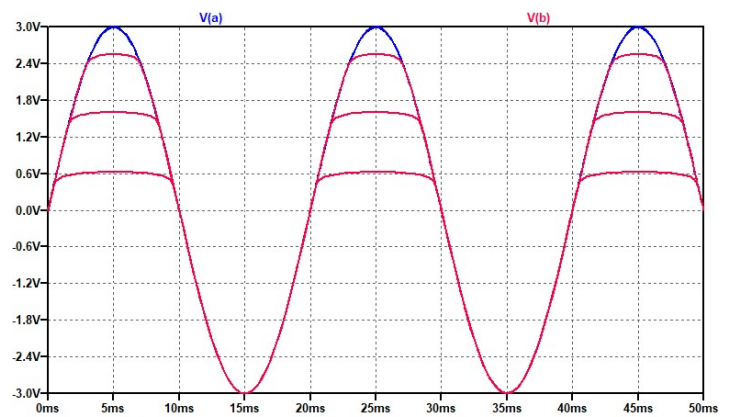
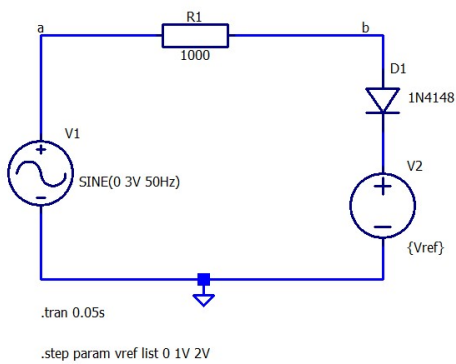
Diodes/clipper_diod_pos.asc



5

Схеми с диоди - ограничители

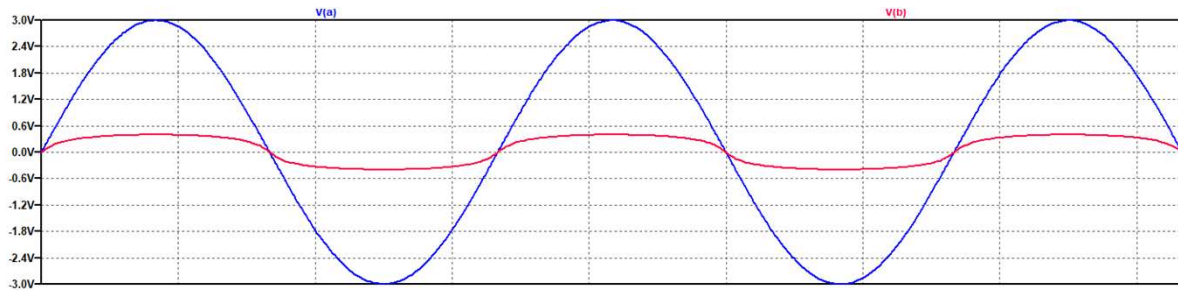
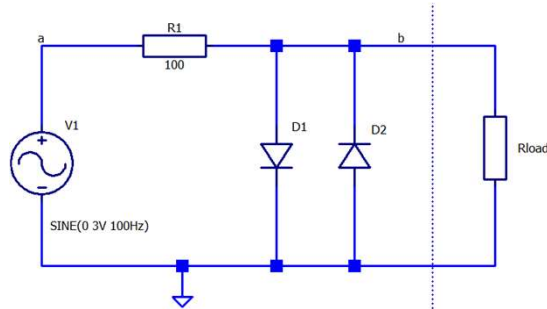
Diode-Clipper-Vref



6

Схеми с диоди - ограничители

Diode-Clipper-sym



7

Схеми с диоди - ограничители

steering-diode-protection-circuit

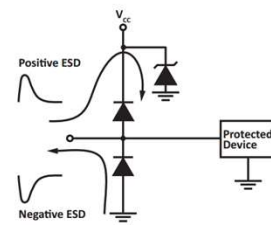
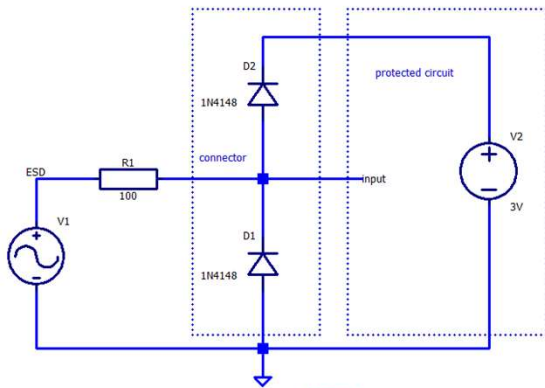
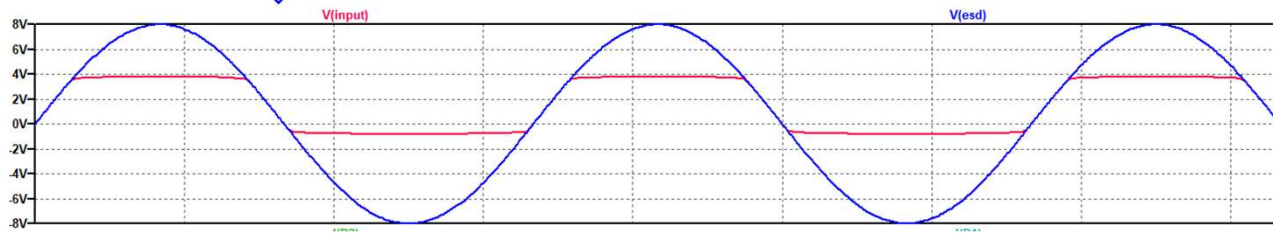


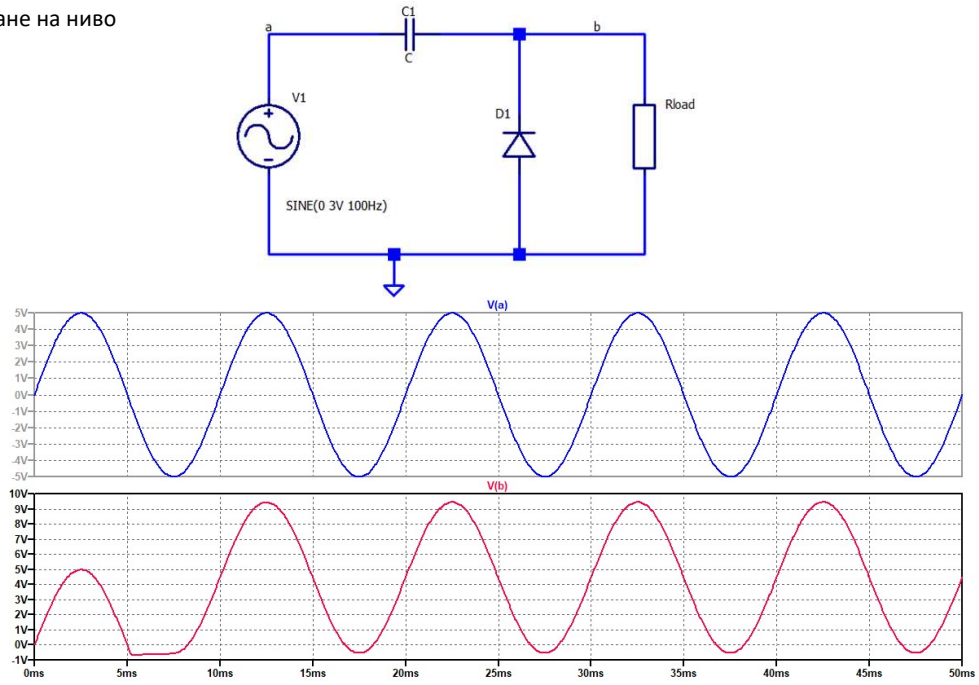
Figure 2. Integrated Steering Diode/TVS Transient Protection



8

Схеми с диоди – отместване на ниво

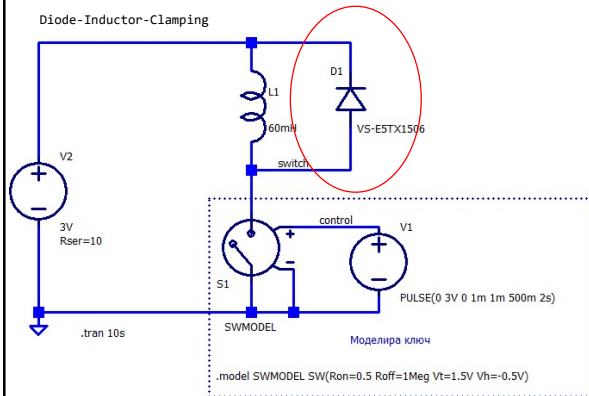
Diode-Clamping-pos



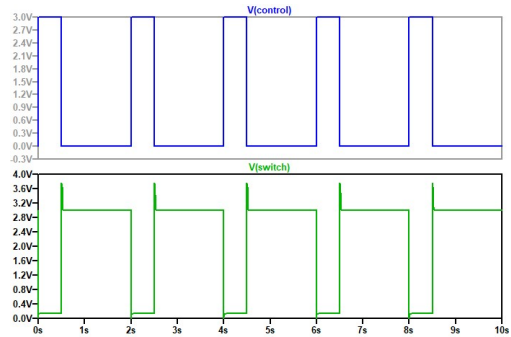
9

Схеми с диоди – превключване на индуктивност

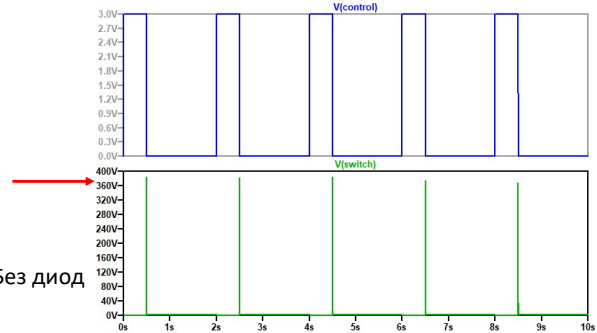
Diode-Inductor-Clamping



Със диод

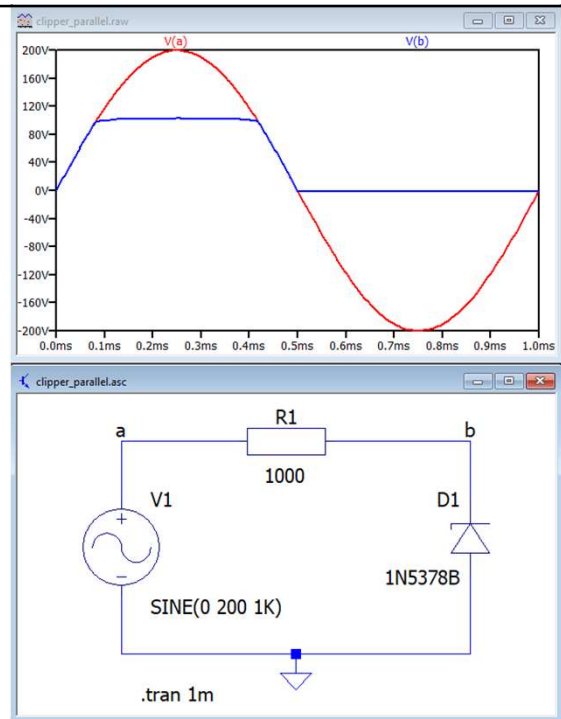


Без диод



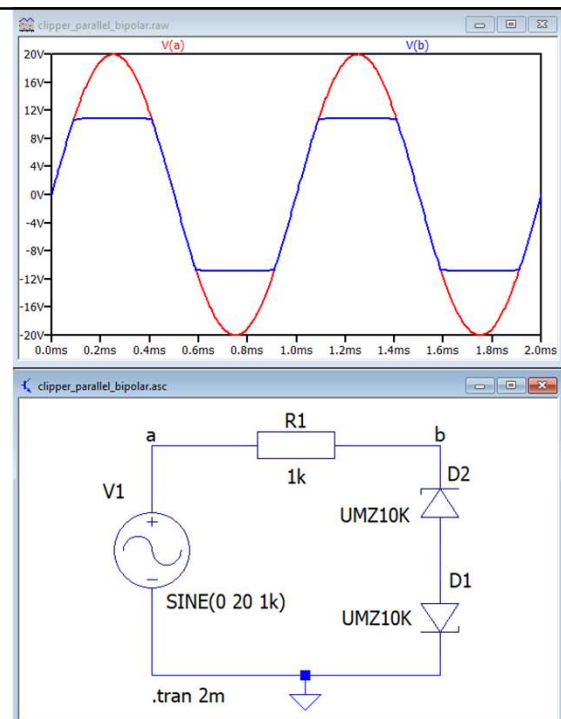
10

ZenerDiodes/ clipper_parallel.asc



11

ZenerDiodes/ clipper_parallel_bipolar.asc

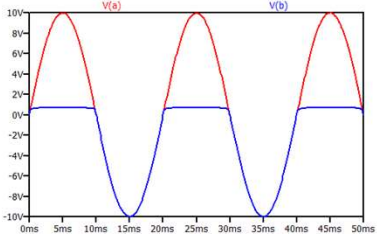


12

ТЕСТ

13

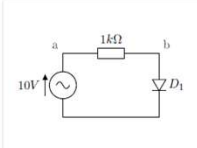
На коя схема съответства дадената времедиаграма? *



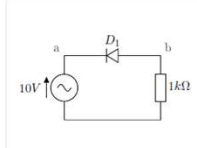
10V
8V
6V
4V
2V
0V
-2V
-4V
-6V
-8V
-10V

0ms 5ms 10ms 15ms 20ms 25ms 30ms 35ms 40ms 45ms 50ms

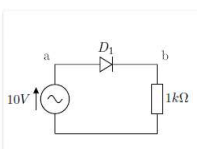
$V(a)$ $V(b)$



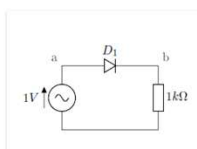
☐ ~



☐ -



☐ ~



☐ -

14

На коя схема съответства дадената времедиаграма, ако D1 и D2 са ценови диоди с пробивно напрежение $U_z = 10V$? *

☐ ...

☐ ...

☐ ...

☐ ...

15

Коя схема съответства на указаната на фигурата работна точка Q? *

☐ —

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16