A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer

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Colors don’t match teacher

Reverse recovery current of base emitter

A computer screen shot of a black screen

AI-generated content may be incorrect.

Ir2 and irb are switched I colors compared to teacher

Fall time 107ns

Data sheet says 25ns. This is because they are using a different test setup.

Possibly something to do with inductive loads vs resistive loads.

A screenshot of a computer

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A white board with black text

AI-generated content may be incorrect.

Rise time

A computer screen with a screen and a screen with a screen and a screen with a screen and a screen with a screen and a screen with a screen and a screen with a screen and a screen

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The turn on time will account for the delay and be calculated when the base current rises.

A screenshot of a computer

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Again for rise and turn on time. Resistive load test setup, where we have an inductive load test setup.

So time vary from data sheet.

A diagram of electrical circuits

AI-generated content may be incorrect.

Figure 1 Datasheet test circuit