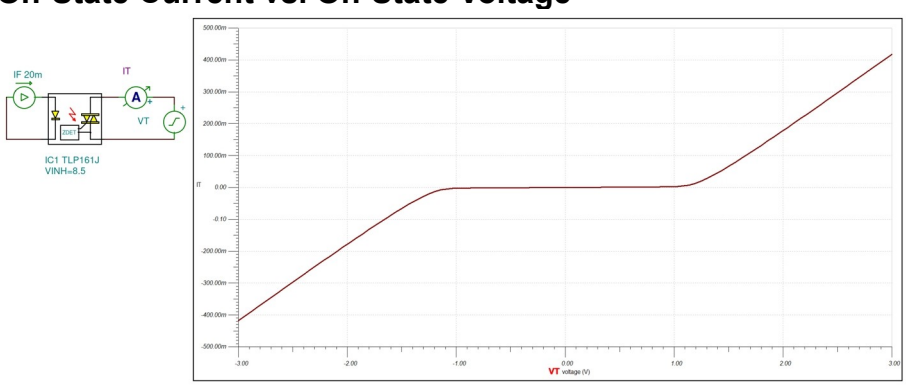
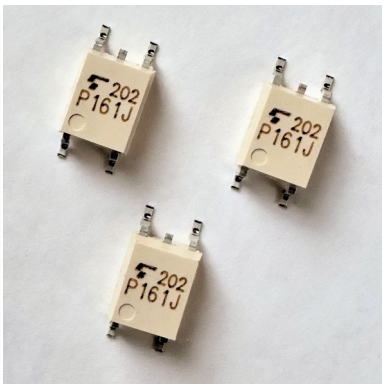
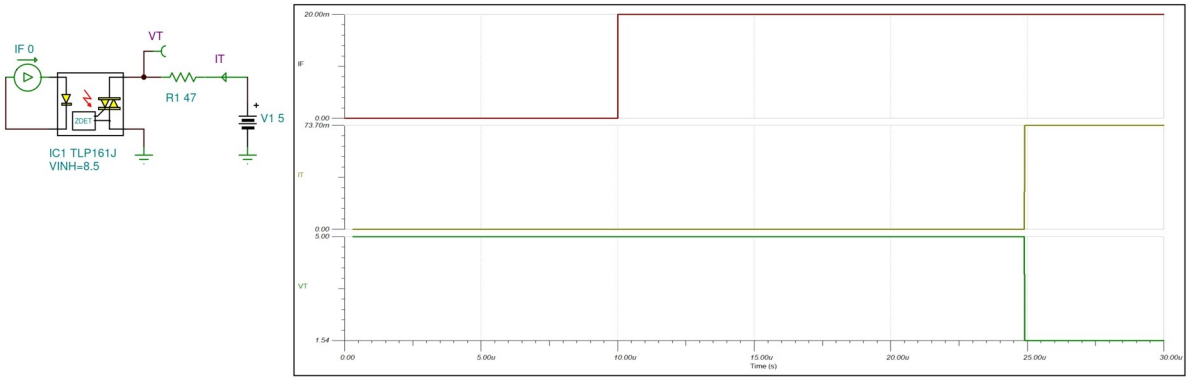
TLP161J Zero-Cross TRIAC Driver Output Optocoupler Spice Model

On-State Current vs. On-State Voltage

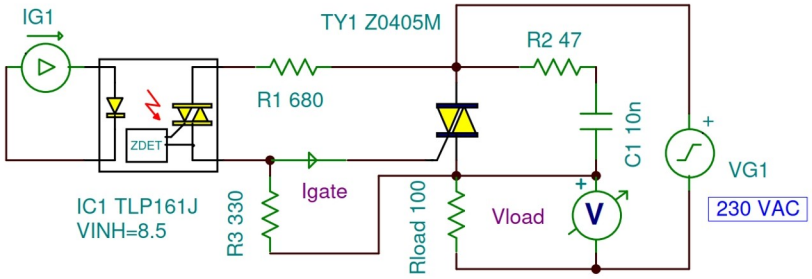




Turn-On Time

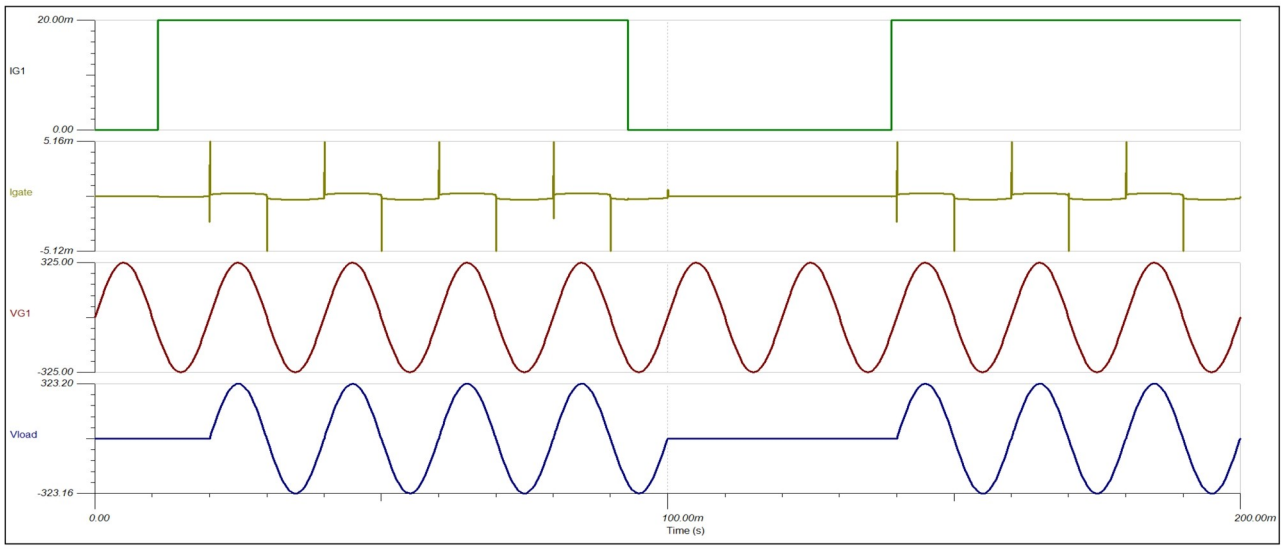


AC Switching Application Circuit



With typical inhibit voltage of 8.5 V, a TRIAC gate could require 9 mA at -20 °C (Rmax=8.5 V/9 mA = 944 Ω). By using 680 Ω for the gate resistor (R1), a current of at least 12 mA is supplied with only 8 V, but limited to 73 mA if the voltage goes to 50 V.

(The current through resistor R3 is about 4 mA.)



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