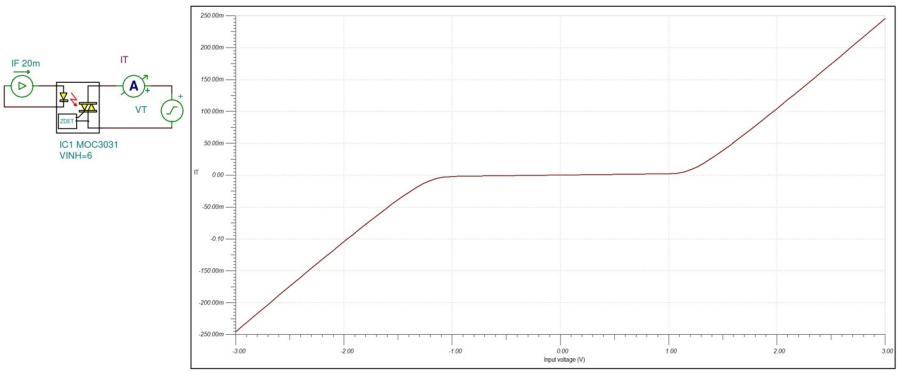
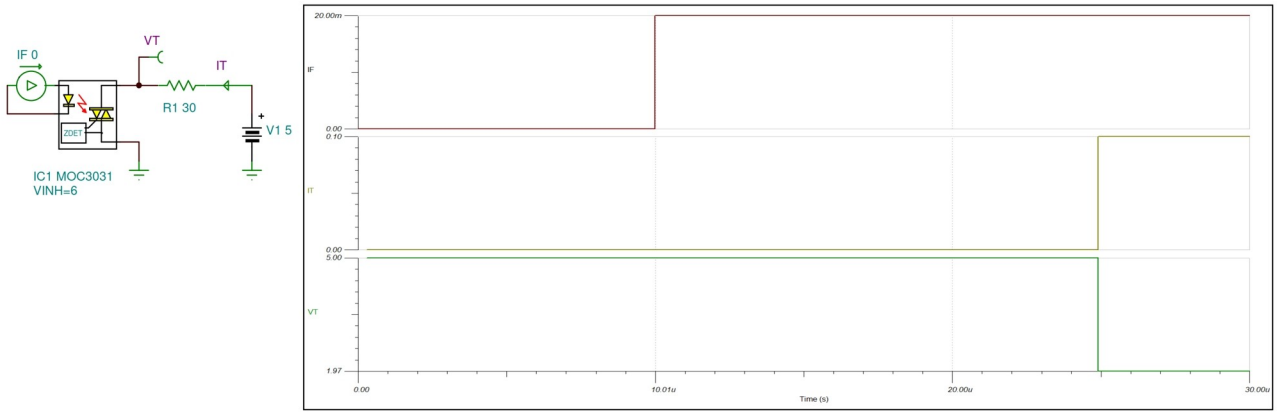
MOC3031M Zero-Cross TRIAC Driver Output Optocoupler Macro Model

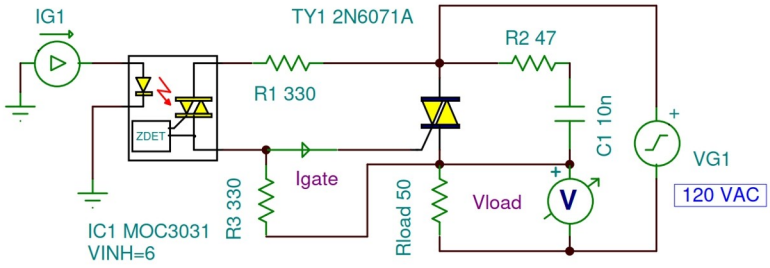
On-State Current vs. On-State Voltage



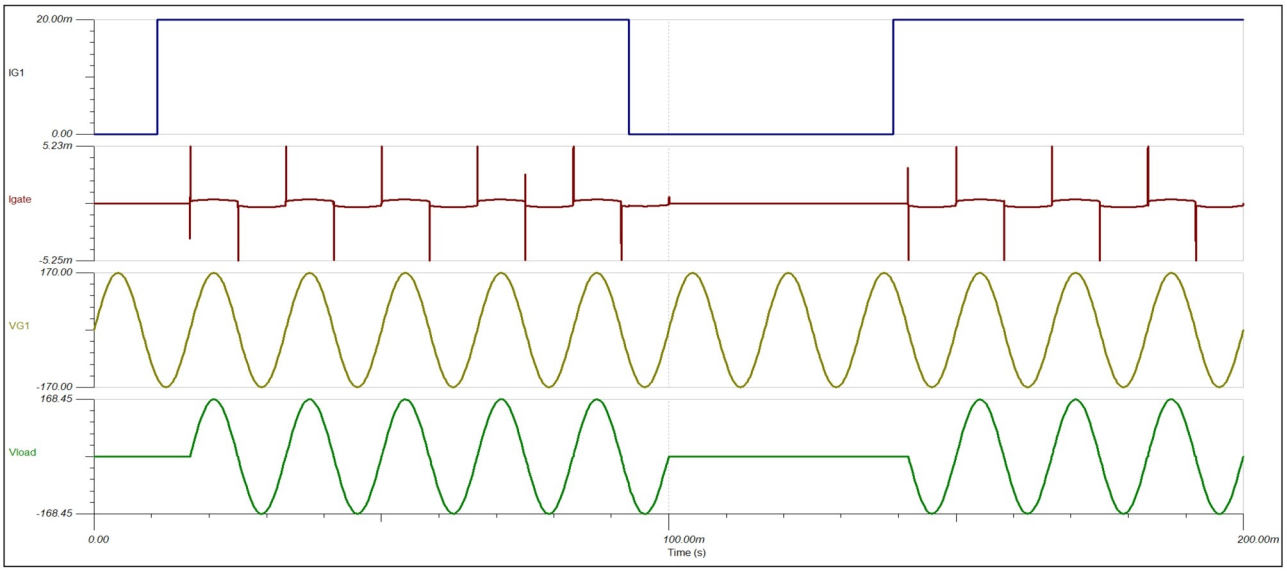
Turn-On Time



AC Switching Application Circuit



With typical inhibit voltage of 6 V, a TRIAC gate could require 8 mA at -20 °C (Rmax=6 V/8 mA = 750 Ω). By using 330 Ω for the gate resistor (R1), a current of at least 15 mA is supplied with only 5 V, but limited to 60 mA if the voltage goes to 20 V. (The current through resistor R3 is about 4 mA.)



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