

LMR38010S-Q1 PSPICE Transient Model Features and Limitations

* Model Usage Notes:

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* 1. The following features have been modeled

* a.Startup

* b.Adjustable Output Voltage

* c.Enable

* d.Switching Frequency(RT)

* e.Power-Good Flag Output

* f.Minimum ON-Time, Minimum OFF-Time and Frequency Foldback

* g.Bootstrap Voltage

* h.Over Current and Short Circuit Protection

* i.Soft Start

* j.Device Functional Modes(FPWM FIXED DEVICE)

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* 2. Features haven't been modelled

* a. Thermal Shutdown

* b. Steady state

* c. Sync

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* 3. Ground Pins have been tied to 0V internally and hence model does not support Inverting topologies.