LM63635-Q1 PSpice Transient Model Features and Limitations

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* Model Usage Notes:
* A. Features have been modelled
*  1. Current limits (Maximum valley and peak, minimum peak and negative current limit)
*  2. Power good
*  3. Under voltage protection
*  4. Selectable ouput voltage.
*  5. Selectable switching frequency.
*
* B. Features have not been modelled
*  1. Operating Quiescent Current
*  2. Shutdown Current
*  3. Temperature dependent characteristics
*  4. Ground pins have been tied to 0V internally.  Therefore, this model cannot be used for inverting topologies.
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* C. Application Notes
*  1. The parameter SS has been used to reach the steady state faster.
*      Keep SS = 0 to observe start up behaviour.
*      Keep SS = 1 and appropriate IC on Inductor and capacitor to observe for faster Steady state.
*  2. The parameter FASTSS has been used to reach the steady state faster.
*      Keep FASTSS = 0 to observe normal startup behaviour.
*      Keep FASTSS=1 to reduce the startup time to 1.7ms.
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