
*

* Model Usage Notes:

* <Please include features that are modeled, not modeled, and specific model usage notes if any>

* A. Features have been modelled

- * 1. Output Voltage Setting
- * 2. Internal Fixed Soft-Start and External Adjustable Soft-start
- * 3. External REFIN for Output Voltage Tracking
- * 4. Frequency and Operation Mode Selection
- * 5. Low-side FET Zero-Crossing
- * 6. Power Good
- * 7. Over Voltage Protection(OVP)
- * 8. Under Voltage Protection(UVP)
- * 9. UVLO Protection
- * 11. Remote Sense
- * 12. Peak and Valley Current Limit
- * 13. External Sync

*

* B. Features have not been modelled

- * 1. Operating Quiescent Current
- * 2. Shutdown Current
- * 3. Temperature dependent characteristics
- * 4. Output discharge

*

* C. Application Notes

* The model supports VIN=3V-17V, IOUT=0A-6A, FREQ=1MHZ, 1.4MHZ, 2.2MHZ, VOUT=0.8V and above.

- * 1. The parameter STEADY_STATE has been used to reach the steady state faster.
- * Keep STEADY_STATE = 0 to observe startup behavior.
- * Keep STEADY_STATE = 1 and appropriate IC on Inductor and capacitor to observe for faster Steady state.
- * 2. To run the POP/AC analysis, you must run complete Startup Transient simulation and then run the AC analysis.
- * Also you must choose "Use snapshot from previous transient analysis" in POP Advanced options.

*
