

LM21305 PSPICE TRANSIENT Model _Features and Limitations

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* Model Usage Notes:

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* A. Features have been modelled

- * 1. Output Voltage Setting
- * 2. Internal Fixed Soft-Start
- * 3. RT Frequency Selection
- * 4. Positive Overcurrent Protection (OCP)
- * 5. Power Good
- * 6. PFM Operation
- * 7. UVLO Protection

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* B. Features have not been modelled

- * 1. Operating Quiescent Current and Shutdown Current
- * 2. Sync feature
- * 3. Temperature dependent characteristics
- * 4. Over Voltage Protection (OVP)

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* C. Application Notes

- * 1. The parameter STEADY_STATE has been used to reach the steady state faster.
- * Keep STEADY_STATE = 0 to observe startup behaviour.
- * Keep STEADY_STATE = 1 and appropriate IC on Inductor and capacitor to observe for faster Steady state.

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