

## TPS62913 PSPICE TRANSIENT Model \_Features and Limitations

\*\*\*\*\*

### \* Model Usage Notes:

\*

#### \* A. Features have been modelled

- \* 1. Output Voltage Setting
- \* 2. External Adjustable Soft-start
- \* 3. External clock synchronization
- \* 4. Current Sense and cycle by cycle current limit (HS & LS)
- \* 5. Power Good
- \* 6. Output Voltage Discharge
- \* 7. Switching frequency setting

\*

#### \* B. Features have not been modelled

- \* 1. Operating Quiescent Current
- \* 2. Shutdown Current
- \* 3. Temperature dependent characteristics
- \* 4. Spread spectrum

\*

#### \* C. Application Notes

- \* 1. Startup result in steady state shows noise due to simulator inaccuracy.
- \* Use Maximum timestep=1ns for better accuracy

\*\*\*\*\*