

## LMR38020S PSPICE Transient Model Features and Limitations

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* Model Usage Notes:
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* A. The following features have been modeled
*   1. Output Voltage Setting
*   2. Frequency Selection
*   3. Internal Fixed Soft-Start
*   4. Minimum ON-Time, Minimum OFF-Time and Frequency Foldback
*   5. Low-side FET Zero-Crossing
*   6. Current Sense and Positive Overcurrent Protection(OCP)
*   7. Over Voltage Protection(OVP)
*   8. Power Good
*   9. UVLO Protection
*   10. BOOT functionality
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* B. Features have not been modelled
*   1. Operating Quiescent Current
*   2. Shutdown Current
*   3. Temperature dependent characteristics
*   4. Steady State
*   5. Ground pins have been tied to 0V internally. Therefore, this model cannot
*       be used for inverting topologies.
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