Model FeaturesandLimitations

A. Features that have been modelled

      1. Configurable Slew Rate

      2. Integrated Current Sense

      3. Configurable Current Regulation

      4. Proportional Load Current Output on IPROPI pin

      5. UVLO, Logic Level, Tri-level logic

      6. Protection and diagnostic features with configurable

         fault reaction (latched or retry)

           a. Load diagnostics in the Off-state and On-state

           b. Voltage monitoring on supply VM

           c. Over current protection

           d. Over temperature protection

           e. Fault indication on nFAULT pin

      7. Current IVMQ and IVMS in Sleep and Standby state

      8. Temperature dependency on RDSON of integrated Power FETs

B. Model Limitations and Features that haven't been modelled

      1. Spread Spectrum clocking for low EMI

      2. EC parameters from Table 7.5.8 [AI_ERR, AI_ERR_M, OffsetIPROPI,

         BWIPROPI]

      3. VCP – Charge Pump Voltage Pin

C. Model Parameter(s)

      1. Temp_Amb: Sets the ambient temperature from -40C to 125C