

Steward

EMI Suppression & Inductive Solutions

Product News

Spice Models for EMI Ferrite Chip Beads

Steward is now releasing a revolutionary new SPICE model for EMI ferrite chip beads. This new, time saving design aid includes the de-rating effects of dc bias currents on small ferrite board level parts. Other existing SPICE models are only capable of predicting performance of ferrite chip beads when they are not under any significant operating load.

The new Steward SPICE Model has the capability of predicting (with superior accuracy) the real performance of an EMI chip bead actually in circuit operation.

Features of the new Steward SPICE model include:

- Capable of indicating a part's performance under Bias up to 5 Amps or full rated current
- Can be used with most any SPICE programs like PSPICE & LTSPICE
- Can quickly switch between different Steward chip bead parts.
- Takes into account unwanted parasitic effects caused by increasing bias
- "Real World" accuracy for better designs the first time
- Provides quicker designs and faster time-to-market