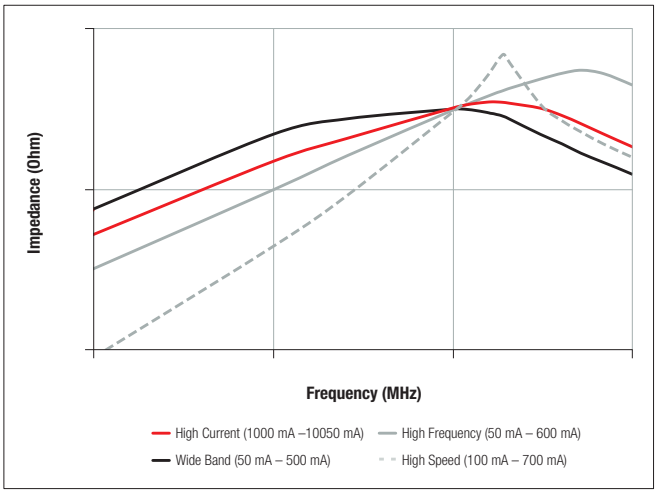
SMD EMI Suppression Ferrite Beads

Characterisation



High Speed SMD Ferrites
Have lower impedance in the lower frequency ranges. Therefore they have only a low attenuation on fast signals. Application e.g. USB, IEEE 1394, LVDS

High Current SMD Ferrites
Are designed for high current (over 1 A). The rated current refers to 40 K self-heating. Application e.g. power supply, DC/DC converter.

Wide Band SMD Ferrites
Show already high impedance in low frequency range. Therefore they are wide band through the whole spectrum. Application e.g. control signals, RS232, RS422, DC/DC converter.

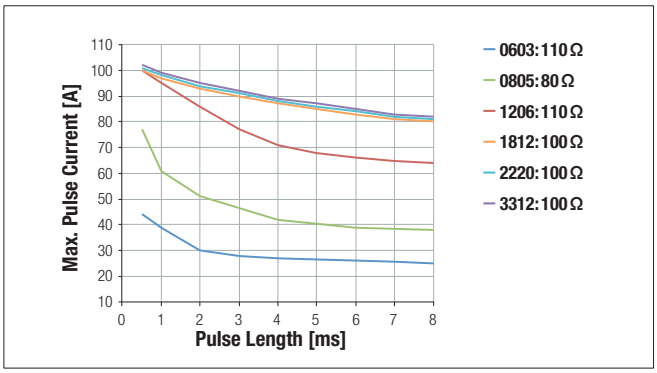
High Frequency SMD Ferrites
Have, due to a modified internal layout, an increased effective suppression frequency range. Consequently the impedance at 1 GHz is up to 3 times higher. Application e.g. HDD, fast bus signals and clock signals.

WE-MPSB

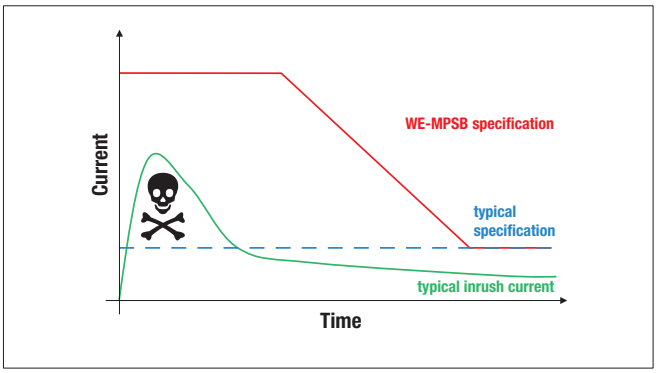
Multilayer Power Suppression

- Peak current is up to 20-times higher than rated current
- Up to 40 % higher rated current compared with similar products

The Maximum Allowed Current Varies with Pulse Length



Specified Inrush Peak Current Rating Protects and Extends the Life of Your Application



Wired SMT Ferrite generally resistant to peak current up to a pulse length of 100 ms with 100 A. Check WE-PBF, WE-CMS and WE-SUKW.

More information:
www.we-online.com/mpsb