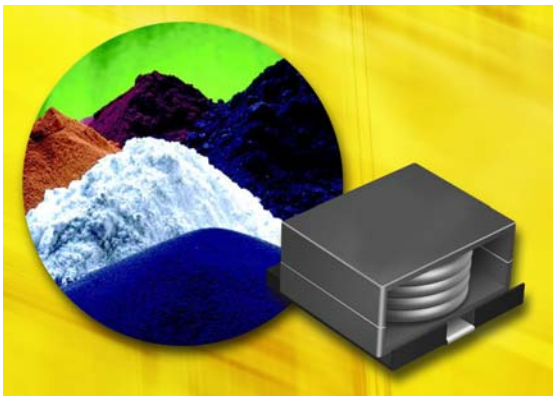

FOR IMMEDIATE RELEASE, MM207
March 16, 2005

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F49 ferrite material enables miniature high-current inductor designs with low losses…

MMG DEVELOPS POWER FERRITE MATERIAL FOR USE IN POINT-OF-LOAD AND VOLTAGE REGULATOR MODULE DESIGNS

AUSTIN, TX -- (March 16, 2005) — Providing power module design engineers with a means to manufacture miniature inductors for point-of-load (POL) inductors and voltage regulator modules (VRMs), MMG has developed a new power ferrite material that is designed specifically to handle high saturation currents in small packages with low losses. Designated as F49 ferrite material, it exhibits a high saturation flux density of 580 mT with losses minimized between 60 and 80°C.

"Although this new very high Bsat material has slightly higher losses than our commercial F48 of F47 grades, the improved saturation flux density in the F49 makes this material an ideal choice for many power management applications where potential saturating currents are a concern," said Brian Wiese, director of sales and marketing for MMG. "For example, this material works well for the DC-DC buck topology, miniature inductors that are typically used in P-O-L applications, and even has the potential to be used in POTS filter inductors for DSL applications."

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In addition to its use in POL inductors, MMG's F49 material is ideal for power transformer applications or in voltage regulator modules typically used for powering microprocessors on computers.

The F49 ferrite material is available in all of MMG's standard geometries, including ER, E/I or E/E planar, RM and EFD cores. Lead-times vary from stock to 6 weeks.