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*For more information, contact:
MMG Canada Ltd.*

*416-251-2831
Sales@mmgna.com*

New line of PQ cores feature round center leg to maximize available winding area...

MMG PQ CORES DESIGNED FOR HIGH PERFORMANCE POWER INDUCTORS AND DC-DC CONVERTER MODULES

ANAHEIM, CA — Ferrite manufacturer, MMG has developed a new line of ferrite cores offering design engineers an alternative to traditional square center leg core shapes. The new PQ cores feature a round center leg, providing a maximum cross sectional area while minimizing the overall size of the finished inductor or transformer. In addition, the round center leg lowers the average length of each turn, resulting in lower DC resistance (DCR) per turn.

MMG's PQ cores are designed to offer maximum power output at a minimum size and assembly cost. Applications for the high performance cores include switch mode power supplies, DC-DC converters and power inductors.

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“The new PQ core offers significant design advantages over other ferrite core shapes because it optimizes core volume to winding area while reducing manufacturing costs,” explained Brian Wiese, MMG director of sales & marketing. “Our advanced ferrite materials combine low power loss with superior performance to satisfy a wide range of high power applications.”

Typical applications for the PQ cores include aerospace, medical, industrial and commercial power equipment and the cores are available gapped to handle large dc bias currents, upon request. Core type PQ 20/16 is available with a footprint of 20.5mm x 14.0mm x 8.1mm and core type PQ 20/20 features a footprint of 20.5mm x 14.0mm x 10.1mm. Lead-times are stock to 6 weeks.