



MPE
Quality, Reliability, Performance

Company Bulletin

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New 250A HEMP filter fills a gap in the market

Historically within its range of HEMP protection filters, MPE has offered 200A and 400A variants to address powerline applications. However it has become apparent, particularly in the US defence and homeland security marketplace, that there are many applications which call for 225A as a requirement.

To address this with an MPE filter would have previously meant either derating the application or stepping up to a 400A variant which would incur size, weight and cost impacts. In response, MPE has now designed and launched a 250A HEMP variant to meet the needs of those specific applications.

Accordingly this new, high performance, four-line powerline HEMP filter fulfils the PCI requirements of Mil-Std-188-125-1 and -2 and Def Stan 59-188 Parts 1 and 2 for E1 and E2 pulses. All lines are fitted with high-energy transient suppressors. Lines are individually filtered and feature inductive input to offer both good continuous wave EMC performance and superior transient handling performance, even on supplies with low source impedance.

Whilst the new model incorporates the same field-proven components and circuitry integral to MPE's other HEMP filters and thus guarantees an ultra-reliable filter with very low temperature rise, it does offer significant size, weight and cost benefits against the 400A solution.

The 250A filter has been independently tested against the PCI requirements of Mil-Std-188-125 by specialist test house and US Department of Defense (DoD) contractor Jaxon Engineering & Maintenance (www.jaxon-em.com) at their Colorado Springs location.

You can download your personal copy of MPE's comprehensive datasheet on the new 250A four-line HEMP filter from [here](#)