Feedthrough capacitors rated at 200A

For high power EMI filtering applications, where high current ratings are required, Syfer Technology has announced the SLV range of DC and AC feedthrough capacitors rated at 200A. This complements the extension to the existing SLG range rated at 100A. Typical applications for both ranges are considered to be IT servers, telecoms base stations, MRI room equipment, power supplies, electric vehicles/ plug-in hybrids, radar and military vehicles.

Electric vehicles have been identified as an example of an application where significant weight savings can be achieved by using a feedthrough filter at each end of a cable instead of a heavy screened cable. The M6 spindle of the SLG range screws directly into standard M6 female terminals on automotive connectors.This series is constructed from plastic film technology which has theadvantage of being self-healing. All metalwork is nickel plated brass case and terminals ensuring RoHS compliance.

Parts designed and tested to meet the rigorous demands of EN132400/EN60950 class Y2 and Y4 safety specifications are also available, targeted for use on mains supply systems or lower voltage lines where safety is important.

These top of the range devices include 250V ac and 30Vdc to 600Vdc, working voltage options, with capacitance values up to 65 µF. Typical insertion loss in a 50ohm system with load is up to 100dBat frequencies above 100MHz. Additional specifications for the range include insulation resistance better than 100MΩ, DC resistance less than 0.5mΩ, and an operating temperature range of -55oC to

85oC.Custom multiway constructions, which can make assembly simpler and reduce cost, are also possible.

This range is fully compliant with the RoHSand are available now on a standard 10 week delivery for production volumes. Pricing, on application, depends on value and volume.

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