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Figure 5: 1.5KW CCM BTP-PFC EMI filter

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design at 65KHz and 200KHz frequencies . Inductor Dimension and Optimal Frequency. In addition to the EMI filter design, the switching frequency also impacts the BTP-PFC's inductor design for power density. In general, the higher the switching frequency, the smaller the inductor value and size.

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help designers design and simulate switching power supply systems. New ultra-fast MOSFETs and synchronous high switching frequency PWM controllers allow the realization of highly efficient and smaller switching power supply. All these advantages can be lost if the input filter is not properly designed.

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Optimal Design of Switching Power Supply is particularly useful for engineers and technicians working on switching power supply design, manufacture, and operation. It is also essential reading for academics and graduate students in power electronics courses. --This text refers to the hardcover edition. From the Back Cover

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