High-Frequency Amorphous Common Mode Choke for SiC/GaN

Product Design Reference | PMT-PR-2026-1112-17 | Rev A/0 | 2026-11-12

This reference reproduces published product information and its stated evidence status. Final project specifications require an approved drawing and sample acceptance record.

Published Parameters and Conditions

Parameter	Published value / interpretation
Rated current:	3 A - 30 A
Common mode impedance:	500 Ω - 3000 Ω @ 1 MHz
Mounting:	PCB SMT
Height:	8 mm - 15 mm
Operating frequency:	100 kHz - 10 MHz
Operating temp:	-40 °C to +125 °C

Application and Validation

Amorphous core material with PCB-mounted winding structure, ultra-thin design. Designed for high power density power modules (server power, communication power) for SiC/GaN high-frequency applications.

PROMAGTECH supports custom inductance, current rating, core material, insulation class, cooling method, and mounting structure based on your converter topology and application environment.

Integrated EMI choke design for EV chargers, AI server power, solar inverters and storage converters.

Thermal and winding-limit review for high-density 48 V AI server power architectures.

Core material, winding and impedance review points for conducted EMI suppression.

Project Review and Contact

Send voltage, topology, frequency, RMS and peak current, loaded inductance or turns ratio, thermal boundary, insulation and available mounting dimensions. Sample fees and delivery schedule are confirmed in the project quotation.

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Product page: https://www.promagtech.com/products/high-freq-amorphous.html

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