Nanocrystalline Two-Stage Common Mode Inductor

Product Design Reference | PMT-PR-2026-1112-05 | 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.

Application and Validation

Two common-mode stages, four edge-wound flat-wire windings of 12 turns (2 × 0.8 × 2.3 mm, 2 × 1.0 × 3.0 mm). L ≥ 1.2 mH (100 kHz / 0.3 V). DCR ≤ 10 mΩ (0.8 × 2.3 mm windings) and ≤ 6 mΩ (1.0 × 3.0 mm windings) at 25 °C. Hipot coil–coil AC 1500 V / 60 s, IR ≥ 100 MΩ @ DC 500 V. 45.4 × 42.0 × 20.5 mm.

Published values are provided for application review. Design values, simulation results, rendered images and measured values retain the status stated above. Final specifications and acceptance criteria require an approved drawing and project-specific sample testing.

Please provide topology, voltage, RMS and peak current, switching frequency, cooling, insulation requirements and available mounting space.

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/two-stage-common-mode-inductor.html

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