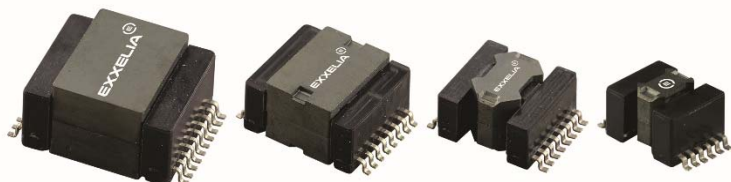


Exxelia Presents Magnetic Components based on Adaptive CCM Technology

The CCM technology adapts to most every need, even the harshest environments, including VIGON® resistance.

Exxelia designed **CCM technology** to respond to the growing interest of electronic engineers for inductors and transformers with multiple outputs, high power density and reduced footprint.

Qualified for aeronautic and space applications, the **CCM product line** features terrific robustness. The monolithic design provides high mechanical performance, proven by the successfully testing in accordance with MIL-STD-202 (methods 213 and 204).



Exxelia's transformers and inductors based on CCM Technology

The series offers five different sizes, allowing optimized component design in a pick-and-place surface mount (SMD) package. Through-hole (TH) packages are also available upon

request. The **CCM series** is particularly flexible with a number of pins options available, from 2x6 pins for the smallest package, up to 2x10.

CCM transformers and inductors can operate over a wide temperature range with a minimal temperature of -55° C. The standard thermal grade of the technology is 140° C. Thanks to the technology design, the thermal resistance is 30% lower than standard industrial components. The epoxy molding protecting the winding ensures a lower temperature gradient and a better heat dissipation. Each unit is thoroughly tested with a dielectric withstanding strength of 1,500 VAC. Component materials meet UL 94-V0 rating.

Exxelia can evaluate losses and related temperature rise thanks to an in-depth knowledge of **CCM technology**. Thermal resistance data is available for each package size. Exxelia can also manufacture products in CCM technology according to MIL-STD-981.

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About Exxelia

Exxelia is a global manufacturer of high-grade passive components and high-end electromechanical solutions. Exxelia Group was born in 2009 from the merger of several long-established companies with complementary activities and know-hows. This powerful alliance of expertise enables the Group to provide a unique product portfolio dedicated to harsh environments. Exxelia's products are commonly used for power electronics, power generation, energy storage, and signal filtering functions in demanding domains such as Defense, Aviation, Space, Energy, Transportation, Medical, Telecom and other Industrial applications.

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