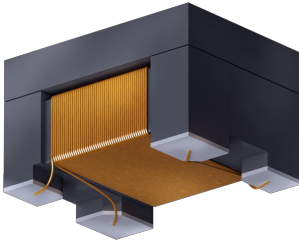


Common-mode choke for CAN

Fastron has announced the 1812CMF common-mode choke measuring 4,7 mm x 3,4 mm x 2,8 mm. The component consists of a ferrite core with two simultaneously wound copper wires.



Even with its magnetically shielding top plate the 1812CMF has a maximum height of 2,8 mm (Photo: Fastron)

The product is available in five inductance values – 11 μH , 22 μH , 51 μH , 100 μH , and 200 μH . It comes with impedance ranges between 600 Ω up to 10 000 Ω , current range from 100 mA to 250 mA, and low DCR range from 0,5 Ω to 4,5 Ω . Common for all 1812CMF is the minimum insulation resistance of 10 m Ω and the rated voltage of maximum 50 V.

Some of the major applications for the 1812CMF's current inductance values include CAN for automobile systems, E-bikes, and other applications where two lines signal transmission is needed.

The operating temperature range, including component self-heating is from -55 $^{\circ}\text{C}$ to +150 $^{\circ}\text{C}$. The product is compatible with lead-free solders, RoHS directive, and AEC-Q200 qualify.

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