



Press Release for the Trade Press

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Power Capacitors: Residential power factor correction

EPCOS has developed the HomeCap series of capacitors for power factor correction (PFC) in private residences. The new ready-to-connect PFC capacitors are designed for single-phase power networks. The current spectrum offers capacitance values ranges from 5 μF to 33 μF . This enables inductive reactive powers of 0.25 kvar to 1.66 kvar to be corrected. The permissible rated voltage in 50-Hz or 60-Hz grids ranges from 127 V to 400 V. A reinforced polypropylene film is employed as dielectric. Like all power capacitors from EPCOS the HomeCap series is self-healing. The body of the capacitor is insulated with a shrink-sleeve and is grounded internally, ensuring safe operation in the residential environment. An integrated overpressure disconnection device automatically shuts the capacitor off should it overheat. HomeCap has a diameter of 40 mm and a height of 70 mm to 105 mm, depending on its capacitance.

In infrastructures with average household energy consumption, HomeCaps allow annual savings of approximately 280 kWh per installed kvar, as an installation in Peru has demonstrated.

EPCOS is the world market leader in capacitors for power factor correction. They cover reactive powers from 0.25 kvar to 56 kvar at operating voltages from 230 V to 800 V. EPCOS also offers a wide range of key components, such as filter circuit chokes, thyristor switches for dynamic PFC and automatic controllers. The latest development is PhaseMod, a family of ready-to-connect system units for PFC that deliver cost savings of up to 50% against conventional systems.

You can download the text of this press release and press photos from www.epcos.com/tradepress
Further information on the products presented here will be found at www.epcos.com/pfc

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