

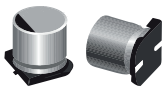
TECHNICAL MEMO

ECAP

POLYMER

FILM

ENERGY-C



NEW: HYBRID POLYMER SMT

Jianghai Europe Electronic Components GmbH

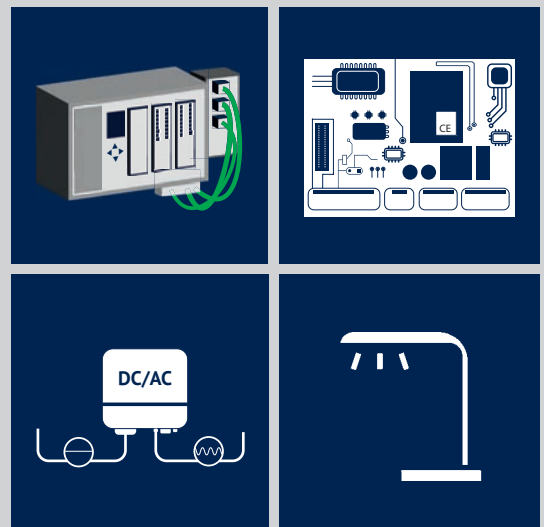
>> Jianghai releases three new series of surface mount hybrid polymer capacitors called "VA", "VB", and "VC".

The RoHS compliant products are available in can sizes $D \times L = 8 \times 10$ and 10×10 (mm) and cover the temperature ranges from $-55 \sim +105$ °C and $-55 \sim +125$ °C.

The new capacitor series combine the best of both worlds: the low ESR and high ripple current capability of the polymer capacitors in conjunction with large effective surface area (and thus high capacitance), and low leakage currents of wet e-caps.

Their compact size, the stable capacitance and their great frequency characteristics are complemented by long life times of 4000 h to 5000 h. The capacitors do not require any voltage derating and the liquid electrolyte allows for self-healing during operation, yielding a low short-circuit risk and thus an enhanced reliability. Due to their superior properties, the capacitors are targeted at demanding industrial applications, e.g. motor drives, power inverters, specialty lighting, and PLCs. ■

EXAMPLES OF POSSIBLE AREAS OF APPLICATION



COMPANY

Jianghai Europe Electronic Components GmbH, with headquarters and warehouse in Krefeld and Kempen, Germany, supports the European customers of Nantong Jianghai Capacitor Co., Ltd. (Jianghai) in Nantong, China. Jianghai was founded in 1958. While Jianghai initially developed and produced specialty chemical products (such as electrolyte systems), since 1970 it started the design and production of aluminum electrolytic capacitors. Today, etched and formed electrolytic capacitor anode foil, polymer, double layer and lithium-ion capacitors complement the product portfolio. Jianghai is the largest Chinese manufacturer of electrolytic capacitors and one of the three leading manufacturers of snap-in and screw terminal type capacitors in the world.

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