

Electrolytic capacitors type Snap-In for professional power electronics, from Kendeil.

Electrolytic capacitors are manufactured to applicable standards for two temperature areas +85°C and +105°C. Snap-In capacitors are designed for direct mounting on circuit boards.

They are available in many versions customized for the relevant applications, from 16–500 VDC and from 68–47 000 µF.



Electrolytic capacitors Snap-In

Applications

Professional power electronics such as switched power supplies, inverters, power converters, frequency converters, filters, motor drives, UPS systems, welding machines, power storage installations, audio applications for best sound reproduction, etc.

Properties

Kendeil's capacitors are of the very highest quality standards and each capacitor's parameters are tested before it comes off the production line, meaning that 100% of products leaving the factory have been tested for supply voltage/ripple current and ESR values at elevated temperatures in ovens.

Kendeil's electrolytic capacitors can handle high ripple currents and have a low ESR value which warrant a long service life.

Different variants are designed for optimal performance in the relevant application area. See technical data below. More detailed data for the relevant capacitors can be provided on request.

Composition

Electrolytic capacitors are made of two aluminium foils (anode/cathode foil treated to obtain their polarization), with intermediate paper sheet impregnated with electrolyte to prevent short circuits.

Both aluminium foils are etched to obtain the largest possible effective area and thus provide the highest possible capacitance.

Aluminium connectors are connected between the foils and the capacitor connection terminals. The aluminium version is sealed with a moulded plastic cover, self-extinguishing plastic material V0 in accordance with UL94.

Version/Capacitance/Dimensions

For specific capacitors and dimensions, see the item list below. For other capacitances and/or versions other than those listed, please contact BEVI for further information.

In cases where new or customized capacitors are required, design data should be submitted to enable capacitor optimization for the application in question.

Packaging

The electrolytic capacitors are delivered in corrugated cardboard boxes. The quantity of capacitors per box depends on the dimensions of the particular capacitor.

The capacitors are order items with a MOQ* which depends on the capacitor type, size of packaging, etc. Contact us for further information and a quotation.

* MOQ – Minimum Order Quantity

Item list

Item no.	Voltage (V)	Capacitance (µF)	Max temp. (°C)	Execution	Dimensions (Ø × L, mm)	Uptime maxtemp./ 40°C	ESR typ mOhm (10kHz, 20°C)	Ir AC A max 100Hz, at temp. 85°C
125879	40	10 000	105°C	2-pin	30 × 40	5 000/25 000	39	2.8
125887	40	4 700	105°C	2-pin	25 × 30	5 000/25 000	50	1.8
125888	50	4 700	105°C	2-pin	25 × 30	5 000/25 000	50	2
125882	100	2 200	105°C	2-pin	30 × 40	5 000/25 000	71	2.7
125889	100	1 000	105°C	2-pin	22 × 30	5 000/25 000	127	1.7
125881	200	220	105°C	2-pin	22 × 30	5 000/25 000	440	0.9
125884	200	330	105°C	2-pin	22 × 30	5 000/25 000	240	1.1
126565	250	220	105°C	2-pin	25 × 30	5 000/25 000	240	0.9
125886	400	470	105°C	2-pin	35 × 40	5 000/25 000	170	2.2
125880	450	150	105°C	2-pin	22 × 40	5 000/25 000	760	0.8
125883	450	270	105°C	2-pin	35 × 40	5 000/25 000	290	1.1
125843	450	470	105°C	2-pin	35 × 50	5 000/25 000	170	1.8

Technical data

Variant	Type	Beskrivning	Technical data	Max temp. (°C)/Service life at max temp. 40°C (h)	Special functions	Applications
Snap-in 85°C	K06	General type	68–47 000 µF 16–500 VDC	+85/5 000 (200 000)	High capacitance and excellent electrical data in small volume Low ESR value and high ripple current	Power electronics, Switched power supplies, Frequency converters, Filtration
	K16	General type Larger sizes	820–2 700 µF 400–450 VDC	+85/5 000	High capacitance and excellent electrical data in small volume Low ESR value and high ripple current Larger dimensions	Power electronics, Switched power supplies, Frequency converters, Filtration
	K26	Low ESR value	1 000–2 700 µF 400–450 VDC	+85/6 000	High capacitance and excellent electrical data in small volume Low ESR value and high ripple current. Larger dimensions	Compact UPS systems, Inverters esp. within solar energy, high ripple converters, motor drives
Snap-in 105°C	K05	Professional, High temperature	220–1 500 000 µF 16–500 VDC	+85/15 000 (200 000)	Very high capacitance, ripple current and very low ESR value in small volume	Switched power supplies, Professional power electronics
	K15	Professional type Larger sizes, high temperature	820–2 200 µF 400–450 VDC	+105/5 000 (250 000)	Very high capacitance and excellent electrical data in small volume. Low ESR value and high ripple current. Larger dimensions	Power electronics, Switched power supplies, Frequency converters, Filtration
	K25	Low ESR value High temperature	820–2 200 µF 400–450 VDC	+105/5 000 (250 000)	Very high capacitance and excellent electrical data in small volume. Low ESR value and high ripple current. Larger dimensions	Compact UPS systems, Inverters esp. within solar energy, high ripple converters, Motor drives
	K55	Professional, Solar power inverters	330–820 µF 450 VDC	+105/6 000 (250 000)	Very high capacitance in small volume. Low ESR value and high ripple current. Larger dimensions	Primarily power inverters within solar power sector, Professional power supply