KOME

KAJK Series

SMD Aluminium Electrolytic Capacitors (V-chip)

Features

- Specially designed for LED display screen
- Designed for reflow soldering
- Designed for surface mounting on high-density PCB
- RoHS 2.0 compliant
- 219 SVHC & REACH compliant

TEMPERATURE RANGE	RATED VOLTAGE	CAPACITANCE	ENDURANCE
-40°C … +105°C	10 – 16 V	220 μF	105°C 2000 h

Specifications

Category temp. range	-40°C to +105°C
Capacitance tolerance	±20% (120 Hz / +20 °C)
Leakage current	I ≤ 0.01 CV or 3 μA whichever is greater (after 2 minutes)
Tan δ	See the characteristics list
Endurance	After applying rated working voltage for 2000 hours at +105 °C ± 2 °C, and then being stabilized at +20 °C, capacitors shall meet the following limits. Capacitance change: Within ±30% of the initial value Dissipation factor (tan δ): Less than 300% of the initial value Leakage current: Within the initial limit
Shelf life	After storage for 1000 h at +105 °C ± 2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in endurance.
Resistance to soldering heat	After reflow soldering and then being stabilized at +20 °C, capacitors shall meet the following limits. Capacitance change: Within ±10% of the initial value Dissipation factor (tan δ): Within the initial limit Leakage current: Within the initial limit

Low-temperature characteristics

Rated voltage (V)	10	16
Z(-25°C)/Z(+20°C)	4	3
Z(-40°C)/Z(+20°C)	8	6

Impedance ratio at 120 Hz

Ripple current frequency correction factor

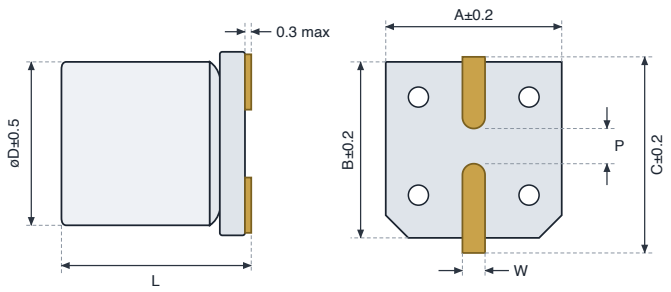
Frequency	50Hz	120Hz	1kHz	10kHz≤
Correction Factor	0.7	1.0	1.2	1.3

Standard ratings

μF \ V	10	16
220	6.3×5.7	6.3×7.7

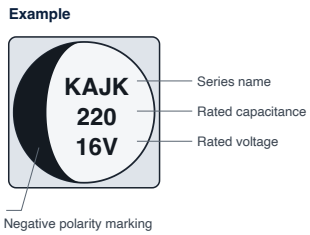
Case size ΦD × L (mm). Full ratings in the characteristics list.

Dimensions and marking



ΦD	L	A	B	C	W	P±0.2
6.3	5.7	6.6	6.6	7.3	0.5~0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5~0.8	2.2

Unit: mm



Marking: black

Part number system

KAJK	1C	221	M	0607
Series name	Rated voltage	Capacitance	Capacitance tolerance	Case Size
KAJK series	16V	220μF	±20 %	6.3ΦX7.7L

Example: KAJK1C221M0607

Characteristics list

Rated voltage (V)	Capacitance (±20%) (μF)	ΦD (mm)	L (mm)	Rated ripple current① (mA rms)	tan δ②	Part Number③	MPQ (pcs/reel)
10	220	6.3	5.7	75	0.24	KAJK1A221M0606	1250
16	220	6.3	7.7	110	0.20	KAJK1C221M0607	1000

① Rated ripple current (120Hz / +105°C)
② tan δ (120Hz / +20°C)
③ For plastic reel packaging, the Part Number is appended with "PR" at the end.
All product specifications in the catalog are subject to change without notice. Ask factory for the current technical specifications before purchase. (CAT.2021L1)