SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

NEW

CK Chip type, Low Impedance Series

Low Impedance Solvent Proof

ZC ⇒ CK (High CV)

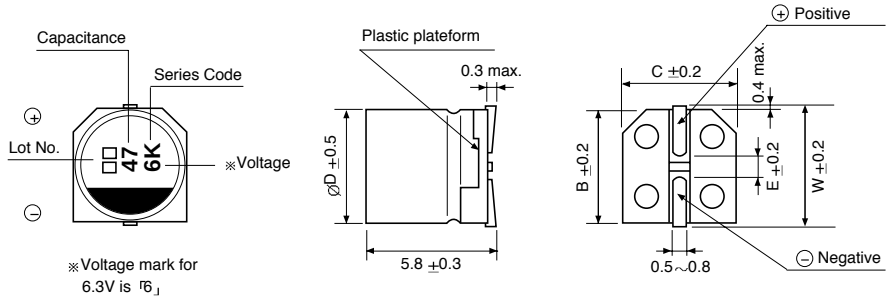
- Chip type, low impedance temperature range up to 105℃
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape

Item	Characteristics
Operating temperature range	-55 ~ +105℃
Leakage current max.	I = 0.01CV or 3㎂ whichever is greater (after 2 minutes)
Capacitance tolerance	±20% at 120Hz, 20℃
Dissipation factor max. (at 120Hz, 20℃)	WV: 6.3 / 10 / 16 / 25 / 35 / 50 tanδ: 0.24 / 0.19 / 0.16 / 0.14 / 0.12 / 0.12
Low temperature characteristics (Impedance ratio at 120Hz)	WV: 6.3 / 10 / 16 / 25 / 35 / 50 Z-25℃/Z+20℃: 2 / 2 / 2 / 2 / 2 / 2 Z-55℃/Z+20℃: 3 / 3 / 3 / 3 / 3 / 3
Load life (after application of the rated voltage for 2000 hours at 105℃)	Leakage current: Less than specified value Capacitance change: Within ±20% of initial value tanδ: Less than 200% of specified value Ø4, Ø5 and Ø6.3 products are for 1000 hours
Shelf life (at 105℃)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them at 250℃ for 30 seconds. Leakage current: Less than specified value Capacitance change: Within ±10% of initial value tanδ: Less than specified value

DRAWING

Unit : mm

(Ø4, 5, 6.3)



ØD	W	B	C	E
4	4.8	4.3	4.3	1.0
5	6.0	5.3	5.3	1.4
6.3	7.1	6.6	6.6	2.2
8×6.2	3.3	8.3	8.3	2.3

Ø8×6.2 (See the page 41)

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

㎌ \ WV	6.3			10			16			25			35			50		
1																4×5.8	5.0	30
1.5																4×5.8	5.0	30
2.2																4×5.8	5.0	30
3.3																4×5.8	5.0	30
4.7										4×5.8	1.8	50	4×5.8	1.8	80	5×5.8	1.52	85
6.8										4×5.8	1.8	60	5×5.8	0.76	150	5×5.8	1.52	85
10				4×5.8	1.8	80	4×5.8	1.8	80	4×5.8	1.8	80	5×5.8	0.76	150	6.3×5.8	0.88	165
15				4×5.8	1.8	80	4×5.8	1.8	80	5×5.8	0.76	115	5×5.8	0.76	150	6.3×5.8	0.88	165
22	4×5.8	1.8	80	4×5.8	1.8	80	5×5.8	0.76	150	5×5.8	0.76	140	5×5.8	0.76	150	6.3×5.8	0.88	165
33	5×5.8	0.76	150	5×5.8	0.76	150	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	8×6.2	0.68	185
47	5×5.8	0.76	150	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	8×6.2	0.68	185
68	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	8×6.2	0.29	280			
100	6.3×5.8	0.44	230	6.3×5.8	0.44	230	6.3×5.8	0.44	230	8×6.2	0.29	280						
150	6.3×5.8	0.44	230	6.3×5.8	0.44	230	8×6.2	0.29	280									
220	6.3×5.8	0.44	230	8×6.2	0.29	280												
330	8×6.2	0.26	280															

Ripple current (mA rms) at 105℃, 100kHz
Impedance (Ω) at 20°C, 100kHz
Case size ØD X L(mm)