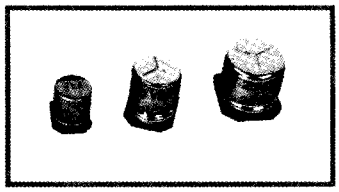
V-CHIP ALUMINUM ELECTROLYTIC CAPACITORS 片式铝电解电容器

JOEMASTER

KH High Reliability Series



- Chip type,high temperature range, for +125℃ use.
- Designed for surface mounting on high density circuit board.
- Emboss carrier tape packing system is available for automatic insertion.

◆ Specifications

Items	Performance Characteristics
Operating Temperature Range	-40~+125℃
Voltage Range	10~50V
Capacitance Range	10~330μF
Capacitance Tolerance	± 20% at 120 Hz, 20℃
Leakage Current	After 1 minute's application of rated voltage, leakage current is not more than 0.03CV or 4μA, whichever is greater.
Tan δ	Measurement frequency: 120Hz, Temperature: 20℃

Rated voltage(V)	10	16	25	35	50
Tan δ (max)	0.32	0.24	0.21	0.18	0.18

Stability at Low Temperature — Measurement frequency: 120Hz

Rated voltage(V)		10	16	25	35	50
Impedance ratio ZT/Z20(max)	Z-40℃/Z+20℃	12	8	6	4	4

Load Life — After 1000 hours' application of rated voltage at 125℃, capacitors meet the characteristics requirements listed at right

Capacitance Change	Within ± 30% of initial value
Tan δ	300% or less of initial specified value
Leakage Current	Initial specified value or less

Self Life — After leaving capacitors under no load at 125℃ for 1000 hours, they meet the specified value for load life characteristics listed above.

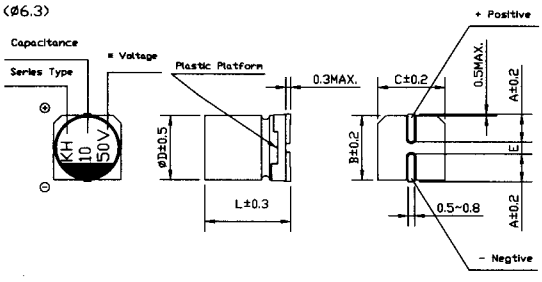
Resistance to Soldering Heat — The capacitors shall be kept on the hot plate maintained at 250℃ for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristics requirements listed at right.

Capacitance Change	Within ± 10% of initial value
Tan δ	Initial specified value or less
Leakage Current	Initial specified value or less

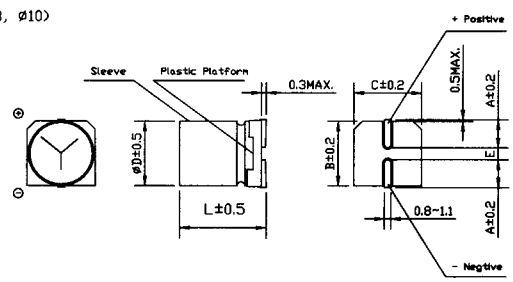
Applicable Standards — JIS C-5141 and JIS C-5102

◆ Chip Type

(ø6.3)



(ø8, ø10)



* Voltage mark for 6.3V is [6V]

(mm)

ΦD×L	6.3 × 7.7	8 × 10.5	10 × 10.5
A	2.4	2.9	3.2
B	6.6	8.3	10.3
C	6.6	8.3	10.3
E	2.2	3.1	4.5
L	7.7	10.5	10.5

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• Dimensions

Cap (μF) \ WV	10		16		25		35		50	
	1A		1C		1E		1V		1H	
10	100								6.3×7.7	24
22	220								6.3×7.7	38
33	330						6.3×7.7	44	8×10.5	46
47	470				6.3×7.7	48	8×10.5	52	10×10.5	58
100	101	6.3×7.7	58	8×10.5	66	8×10.5	74	10×10.5	80		
220	221	8×10.5	90	10×10.5	102	10×10.5	116				
330	331	10×10.5	112						Case size	Allowable ripple

Allowable ripple (mA rms) at 125℃ 120Hz

• Frequency coefficient of allowable ripple current

Frequency	50Hz	120Hz	300Hz	1kHz	10kHz~
Coefficient	0.70	1.00	1.17	1.36	1.50