

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

13186

MVK 35 VC 220 (M)

SERIES

MVK

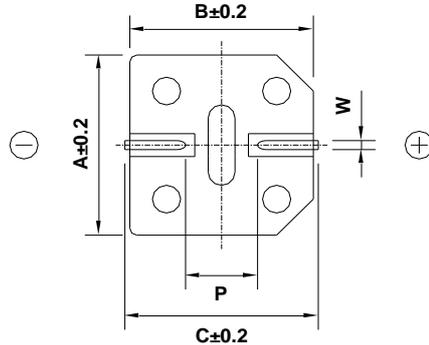
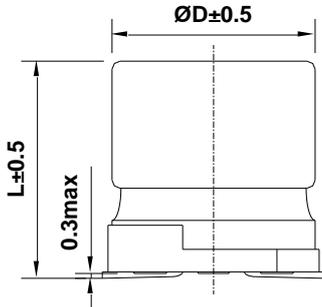
RATING

35 V 220 μ F

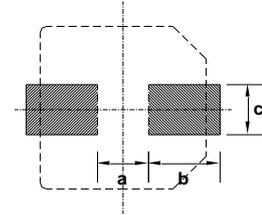
CASE SIZE

\varnothing 8 x 10L

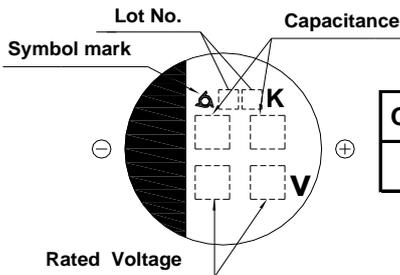
A. DIAGRAM OF DIMENSIONS



Recommended Solder land on PC board



▨ : Solder land on PC board



Case code	ØD	L	A	B	C	W	P	a	b	c
H10	8	10	8.3	8.3	9.0	0.7~1.1	3.1	3.1	4.2	2.2

B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : **-40 ~ +105°C**
- B. RATED VOLTAGE : **35 V_{DC}**
- C. SURGE VOLTAGE : **44 V_{DC}**
- D. CAPACITANCE TOLERANCE : **±20%** at 20°C, 120Hz
- E. LEAKAGE CURRENT : Lower **77 μ A**, after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TAN δ) : Lower **0.14** at 20°C, 120Hz
- G. RATED RIPPLE CURRENT : **342 mArms** at 105°C, 120Hz
- H. RATED RIPPLE CURRENT MULTIPLIERS (Frequency Multipliers) :

Freq.(Hz)	120	1k	10k	100k
Factor	1.00	1.05	1.08	1.08
- I. TEMPERATURE CHARACTERISTIC (Max.Impedance ratio) :

Z(-25°C) / Z(+20°C)	2
Z(-40°C) / Z(+20°C)	3

(at 120Hz)
- J. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for **2,000 hours at 105°C.**
 - # Capacitance change \leq **±20%** of the initial value
 - # Tan δ \leq **200%** of the initial specified value
 - # Leakage Current \leq The initial specified value
- K. SHELF LIFE : The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for **1,000 hours at 105°C** without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurement.
 - # Capacitance change \leq **±20%** of the initial value
 - # Tan δ \leq **200%** of the initial specified value
 - # Leakage Current \leq The initial specified value
- L. CLEANING CONDITIONS : Solvent-proof
- M. OTHERS : Satisfied characteristics KS C IEC 60384-4

