



KAMCAP SUPERCAPACITOR

SP Z

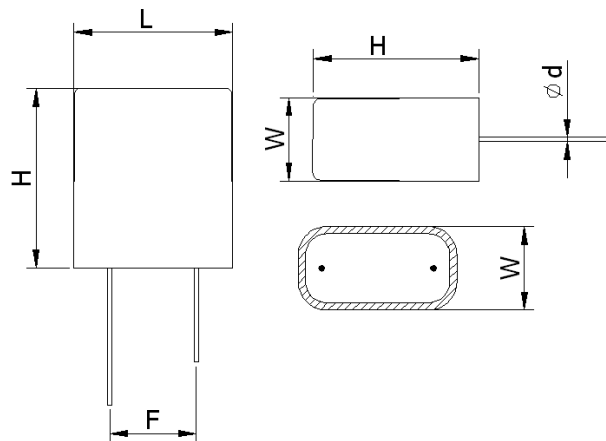
FEATURES

- Serial structure, two cell with the same Characteristics
- Ideal for backing up of CMOS's, microcomputers, RAM's and the like used in VCR's, turners, TV sets, telephone sets and other.
- Low ESR, high energy density.



SPECIFICATIONS

perating temperature	-40℃~70℃
Rate voltage	5.5V
Surge Voltage	6.3V
Max Capacitance tolerance	-20%~80%
Temperature Characteristics	+70℃ $\Delta C/C$ $\leq 30\%$, ESR $\leq 100\%$ of the specified value at 25℃ -40℃ $\Delta C/C$ $\leq 50\%$, ESR $\leq 400\%$ of the specified value at 25℃
High temperature load	After 1000h, +70℃ ± 2 , nominal voltage, $\Delta C/C$ $\leq 30\%$ of the initial measured value, ESR $\leq 400\%$ of the initial specified value
High temperature without load	After 1000h, +70℃ ± 2 , nominal voltage, $\Delta C/C$ $\leq 30\%$ of the initial measured value, ESR $\leq 200\%$ of the initial specified value
Humidity Resistance	After +40℃ ± 2 , 90~95%RH, 240h, $\Delta C/C$ $\leq 30\%$ of the initial measured value, IL $\leq 200\%$ of the initial specified value, ESR ≤ 4 time of the initial specified value



Part Number	Rated Capacitance (F)	Operating Voltage (V)	ESR 1kHz (mΩ)	Size (H×L×W, mm) $\pm 0.5\text{mm}$	P(mm) $\pm 0.5\text{mm}$	Φd (mm) $\pm 0.05\text{mm}$
SP-5R5-Z334VYA	0.33	5.5	660	18×18.1×9.6	12	0.6
SP-5R5-Z474VYA	0.47	5.5	660	18×18.1×9.6	12	0.6
SP-5R5-Z105VYA	1	5.5	260	25.5×20.5×11.5	15	0.6
SP-5R5-Z155TYA	1.5	5.5	200	25.5×18.1×9.6	12	0.6
SP-5R5-Z155VYA	1.5	5.5	150	25.5×20.5×11.5	15	0.6