

## Features

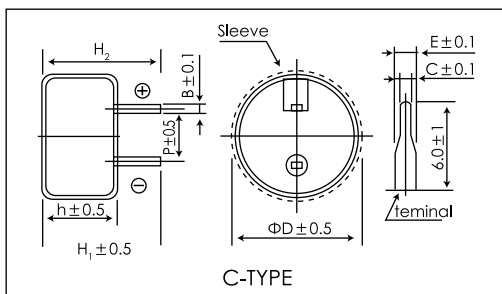
- Wide temperature range
- RoHS compliant
- Computer & peripherals
- DSL modems & routers
- Automatic meter reader
- RTC



Items	Characteristics					
Rated Voltage	5.5V					
Operating Temperature Range	-40~+85°C					
Surge Voltage	6.0V					
Capacitance Range	0.1~1F					
Capacitance Tolerance (25°C)	-20~+80%					
Temperature Characteristics	The specifications shall be met at category temperature range form -40°C to 85°C	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within 30% of the initial value at 25°C</td> </tr> <tr> <td>ESR</td> <td>Less than 2 times of the initial specified value</td> </tr> </table>	Capacitance Change	Within 30% of the initial value at 25°C	ESR	Less than 2 times of the initial specified value
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ESR	Less than 2 times of the initial specified value					
High Temperature Loaded	The specifications shall be met after rated voltage applied at 85°C for 1000 hours	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within 30% of the initial value</td> </tr> <tr> <td>ESR</td> <td>Less than 4 times of the initial specified value</td> </tr> </table>	Capacitance Change	Within 30% of the initial value	ESR	Less than 4 times of the initial specified value
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High Temperature Storage	The specifications shall be met after storage at 85°C for 1000 hours	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within 30% of the initial value</td> </tr> <tr> <td>ESR</td> <td>Less than 4 times of the initial specified value</td> </tr> </table>	Capacitance Change	Within 30% of the initial value	ESR	Less than 4 times of the initial specified value
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## Dimensions

mm



## Standard Ratings for SVT Series

U <sub>R</sub> (Surge Voltage) Code	Rated Capacitance (25°C)	ESR <sub>AC</sub> (1KHz)	Leakage Current (72hrs)	Size								P/N
				D	h	P	H <sub>1</sub>	H <sub>2</sub>	B	C	E	
(V)	(F)	(Ω)	(mA)	(mm)								-
5.5 (δ) 5R5 C-TYPE	0.1	75	0.003	13.5	9.0	5.0	14.5	15.5	0.4	0.8	1.2	SCMDVT5R5104ZVC135009E
	0.22	75	0.003	13.5	9.0	5.0	14.5	15.5	0.4	0.8	1.2	SCMDVT5R5224ZVC135009E
	0.33	50	0.005	13.5	9.0	5.0	14.5	15.5	0.4	0.8	1.2	SCMDVT5R5334ZVC135009E
	0.68	30	0.008	20.5	9.5	5.0	14.5	15.5	0.4	0.8	1.2	SCMDVT5R5684ZVC205009E
	1.0	30	0.010	20.5	9.5	5.0	14.5	15.5	0.4	0.8	1.2	SCMDVT5R5105ZVC205009E