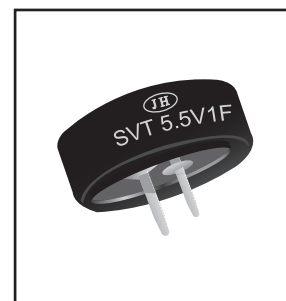


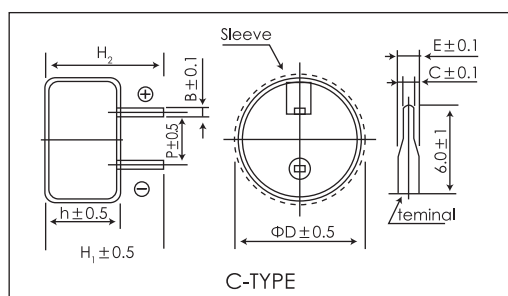
Features

- 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 |
| | Capacitance Change | Within 30% of the initial value at 25°C | | | | |
| 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 |
| | Capacitance Change | Within 30% of the initial value | | | | |
| ESR | Less than 4 times of the initial specified value | | | | | |
| 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 |
| | Capacitance Change | Within 30% of the initial value | | | | |
| ESR | Less than 4 times of the initial specified value | | | | | |

Dimensions mm



Standard Ratings for SVT Series

| U _r (Surge Voltage) Code | Rated Capacitance (25°C) | ESR _{AC} (1KHz) | Leakage Current (72hrs) | Size | | | | | | | | P/N |
|-------------------------------------------|-----------------------------|-----------------------------|----------------------------|------|-----|-----|----------------|----------------|-----|-----|-----|------------------------|
| | | | | D | h | P | H ₁ | H ₂ | 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 |