

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



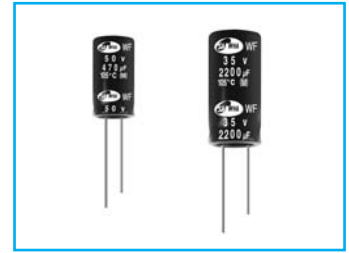
NEW

WF

High ripple current, Extremely Low impedance Series



Solvent Proof



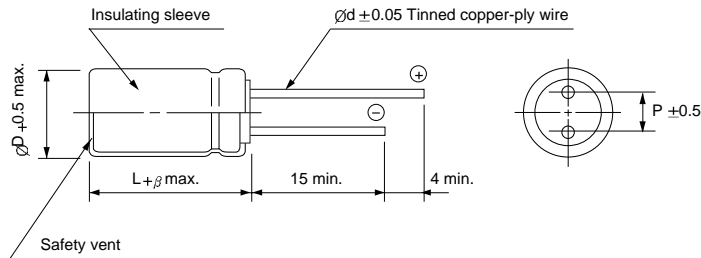
- Operating temperature range of $-40 \sim +105^{\circ}\text{C}$
- Extremely low impedance at high frequency
- High reliability withstanding 10000 hours load life at 105°C (5000 / 7000 hours for smaller case size as specified below)



| Item | Characteristics | | | | | | | | |
|---|---|------------------------------------|--------------------------|-------------------------|---------------------------|------|------|------|------|
| Operating temperature range | $-40 \sim +105^{\circ}\text{C}$ | | | | | | | | |
| Leakage current max. | $I = 0.03CV$ or $3\mu\text{A}$ whichever is greater (after 2 minutes) | | | | | | | | |
| Capacitance tolerance | $\pm 20\%$ (20°C , 120Hz) | | | | | | | | |
| Dissipation factor max. (at 120Hz, 20°C) | WV | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 |
| | $\tan\delta$ | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 |
| Low temperature characteristics (Impedance ratio at 120Hz) | WV | 6.3 | 10 | 16 | 25 ~ 100 | | | | |
| | $Z(-40^{\circ}\text{C})/Z(+20^{\circ}\text{C})$ | 8 | 6 | 4 | 3 | | | | |
| Load life (after application of the rated voltage for 10,000 hours at 105°C) | Leakage current | Less than specified value | | | | | | | |
| | Capacitance change | Within $\pm 25\%$ of initial value | | | | | | | |
| | $\tan\delta$ | Less than 200% of specified value | | | | | | | |
| | | $\varnothing D$ | $\varnothing D = 5, 6.3$ | $\varnothing D = 8, 10$ | $\varnothing D \geq 12.5$ | | | | |
| Shelf life (at 105°) | Life time | 5000 hours | 7000 hours | 10000 hours | | | | | |
| Shelf life (at 105°) | After 1000 hours no load test, leakage current, capacitance and $\tan\delta$ are same as load life value. | | | | | | | | |

DRAWING

Unit : mm



| $\varnothing D$ | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 |
|-----------------|-----|-----|-----|-----|------|-----|-----|
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 |
| $\varnothing d$ | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |
| β | 1.0 | | | 2.0 | | | |

