



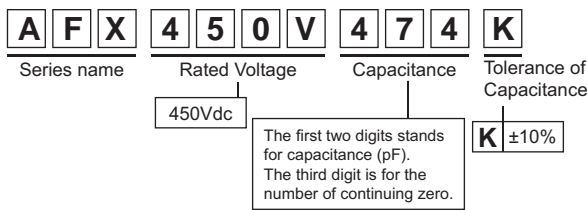
Features

- Space-saving, high permissible current, low buzzing
- High reliability for proprietary-structure
- Correspondence of passive flammability (Flame-resistant category B)
Volume: $\geq 1750\text{mm}^3$ [Capacitance: $\geq 1.0\mu\text{F}$]
- Adopting for box type of casing,
 - High withstand voltage between line and case (2500Vac /1min.)
 - Stabile design for mounting on a board

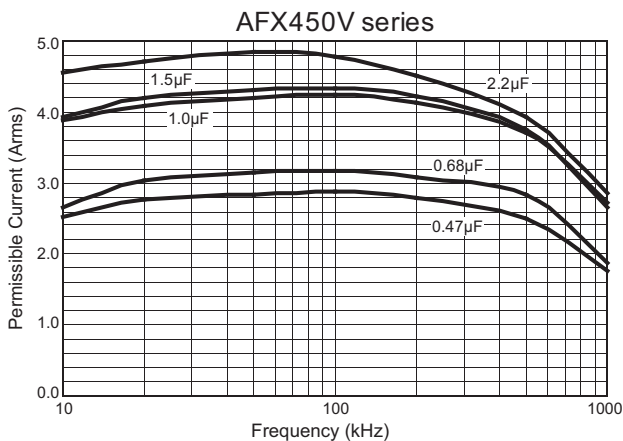
Applications

- PFC circuit of electrical equipment
- Flat-TV, PC, LED lighting etc.

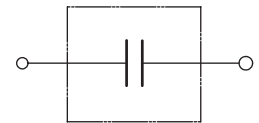
• Model numbering system



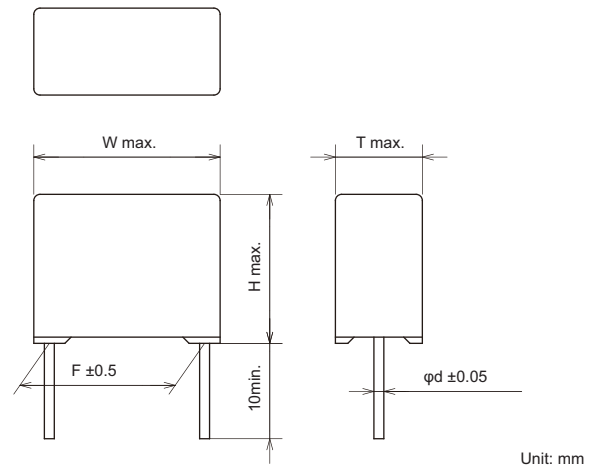
• Permissible current data



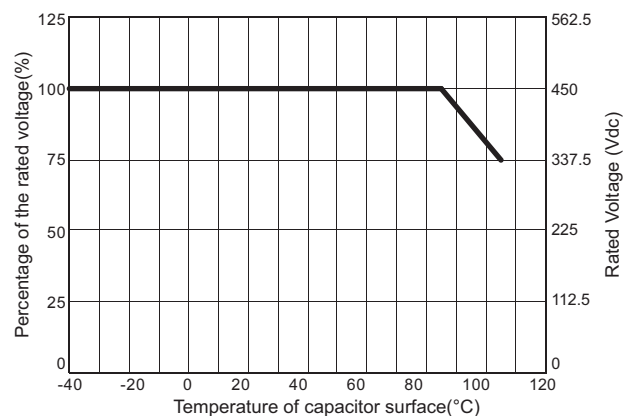
• Circuit



• Dimensions



• Voltage derating by temperature



Electrical Specifications

| Rated Voltage | Model Number | Capacitance $\mu\text{F}\pm 10\%$ | Dimensions (mm) | | | | | Dissipation Factor (at 1kHz) | Test Voltage Rated Voltage $\times 1.5\text{Vdc}$ (60sec) | Insulation Resistance $7,500\Omega \cdot \text{Fmin.}$ (at 20°C, 100Vdc) |
|---------------|--------------|-----------------------------------|-----------------|------|------|------|----------|---------------------------------|--|--|
| | | | W | H | T | F | ϕd | | | |
| 450Vdc | AFX450V474K | 0.47 | 15.0 | 12.0 | 7.0 | 12.5 | 0.6 | 0.002max. | Rated Voltage $\times 1.5\text{Vdc}$ (60sec) | 7,500 $\Omega \cdot \text{Fmin.}$ (at 20°C, 100Vdc) |
| | AFX450V684K | 0.68 | 15.0 | 13.5 | 8.5 | 12.5 | 0.6 | | | |
| | AFX450V105K | 1.0 | 15.5 | 14.5 | 9.5 | 12.5 | 0.8 | | | |
| | AFX450V155K | 1.5 | 17.5 | 15.5 | 10.5 | 15.0 | 0.8 | | | |
| | AFX450V225K | 2.2 | 17.5 | 17.0 | 12.5 | 15.0 | 0.8 | | | |

It is possible to use from more than 85°C to 105°C by derating of rated voltage.

Operating Temperature: -40~+105°C