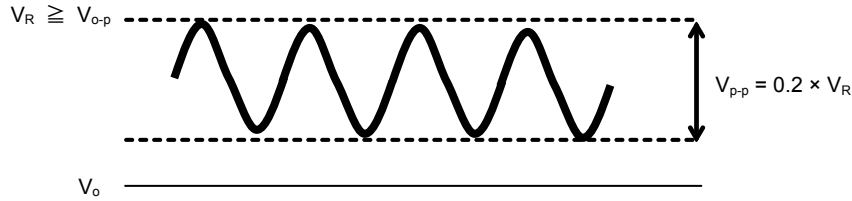


■ Permissible Conditions

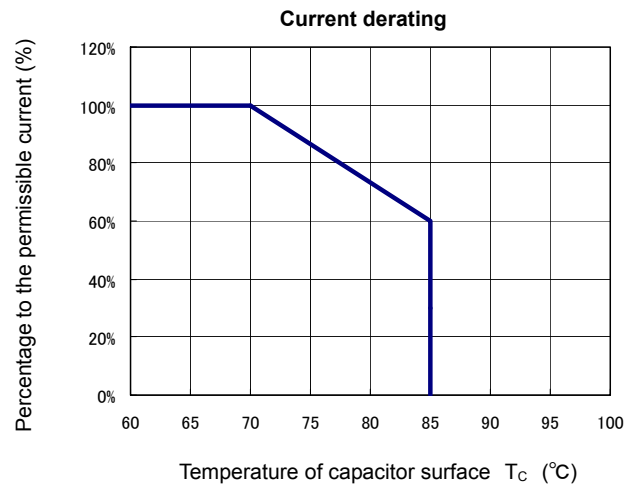
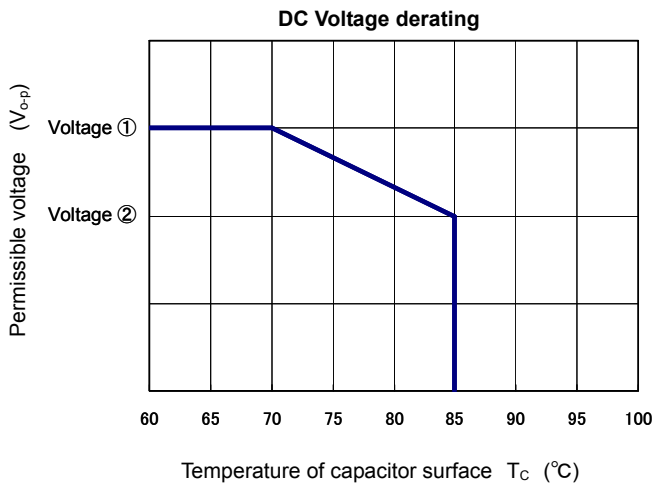
● Permissible Voltage

- These capacitors are designed only for DC voltage, so should not be used for AC line.
- Use the peak voltage (V_{o-p}) within the rated voltage.
- Use the peak to peak voltage (V_{p-p}) within $0.2 \times V_R$.



● DC Voltage, Peak current and RMS current derating

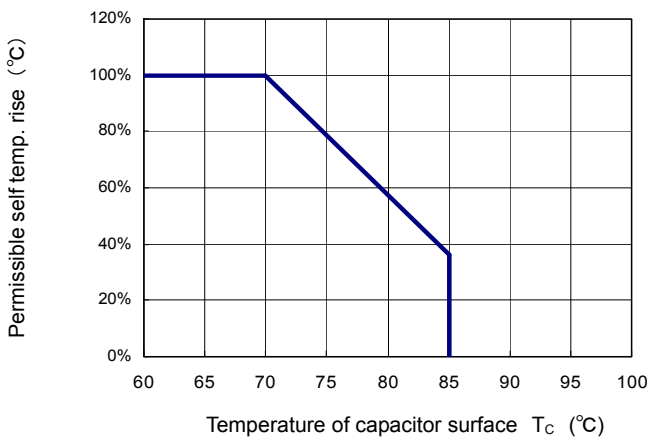
Derating of voltage (V_{o-p}), RMS current (A_{rms}), and peak current (A_{o-p}) according to the following diagram when the temperature of the capacitor surface exceeds 70 °C.



Part Number	Voltage ①	Voltage ②
EZPE50 □□□□ TA	DC500V	DC450V
EZPE80 □□□□ TA	DC800V	DC700V
EZPE1B □□□□ TA	DC1100V	DC920V
EZPE1D □□□□ TA	DC1300V	DC1100V

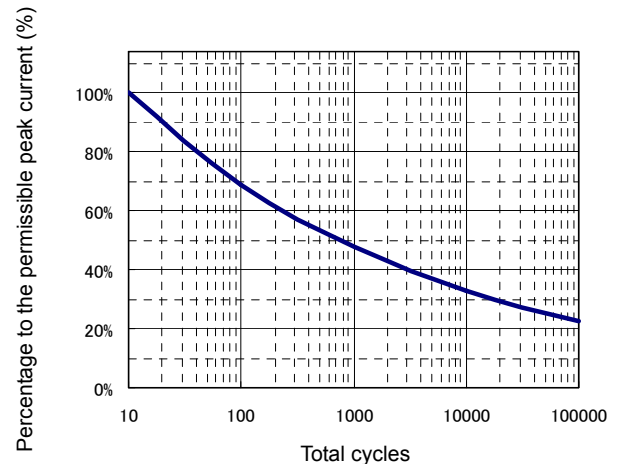
● Permissible self heating temperature rise

Permissible self heating temperature rise is within following diagram when the temperature of the capacitor surface exceeds 70 °C.



● Total cycles applied peak current

Total cycles applied peak current (A_{o-p}) (including pulse current) are within following diagram.



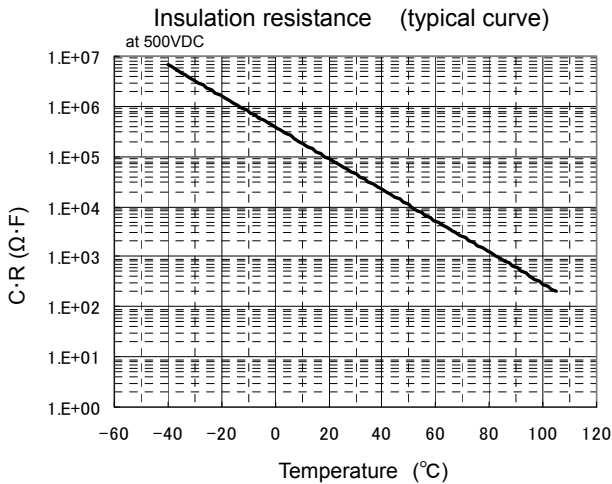
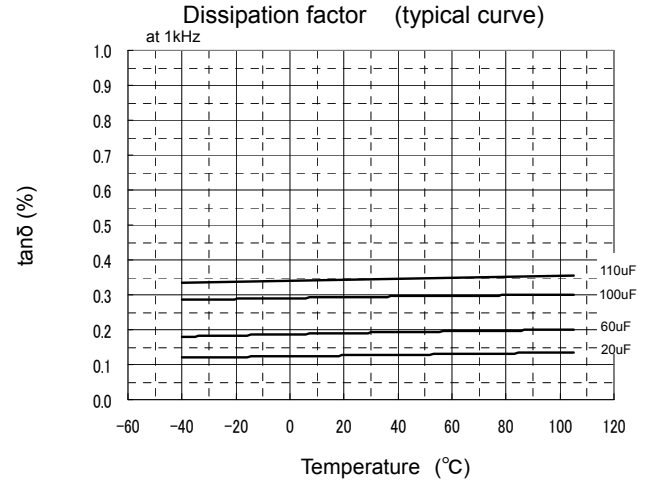
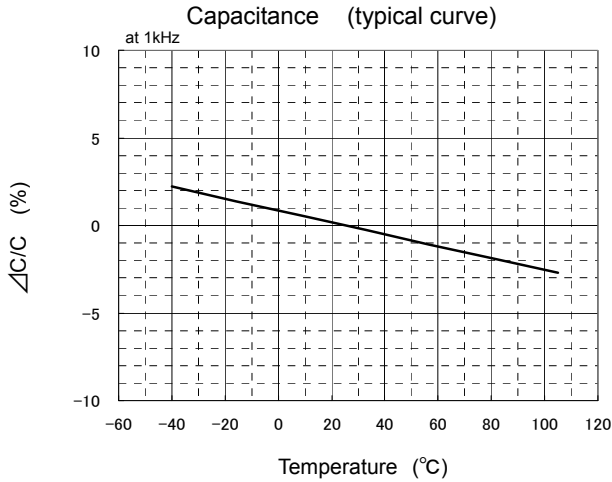
Part Number	100% at 70°C	36% at 85°C
EZPE50 □□□□ TA	12 °C	4.3 °C
EZPE80 □□□□ TA	10 °C	3.6 °C
EZPE1B □□□□ TA	5 °C	1.8 °C
EZPE1D □□□□ TA	9 °C	3.2 °C

Please consult Panasonic if your condition exceeds the above spec.

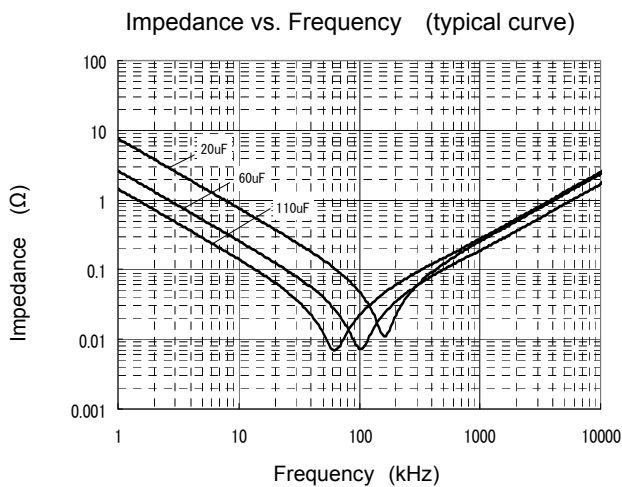
■ Characteristics <Reference>

● Type EZPE Rated voltage : 500 VDC at 70 °C (450VDC at 85 °C)

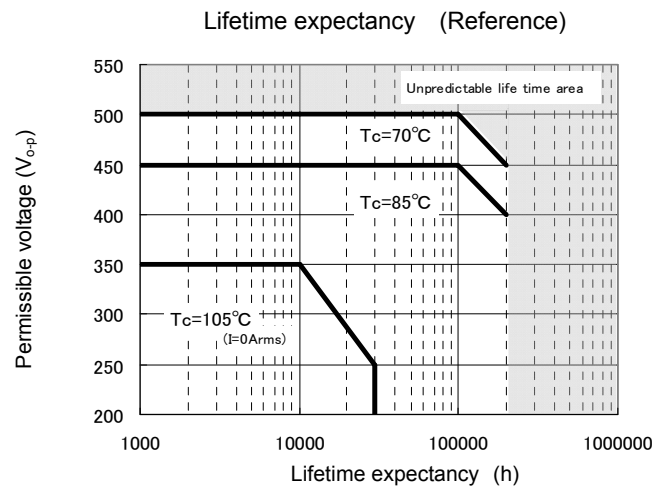
● Temperature Characteristics



● Frequency Characteristics



● Lifetime expectancy

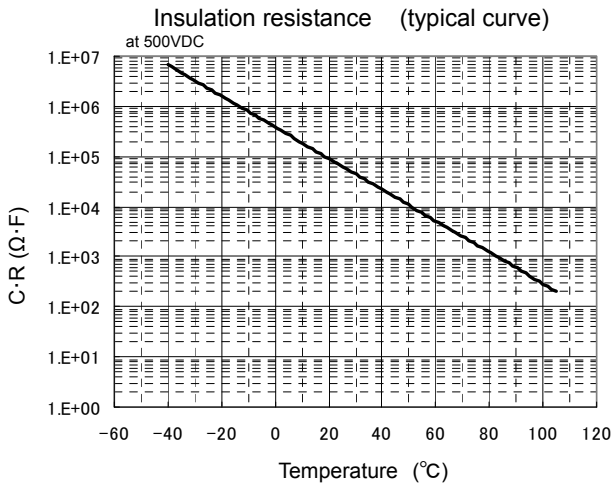
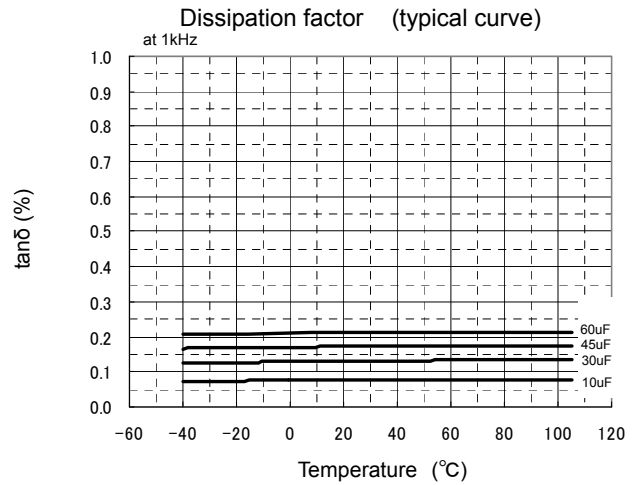
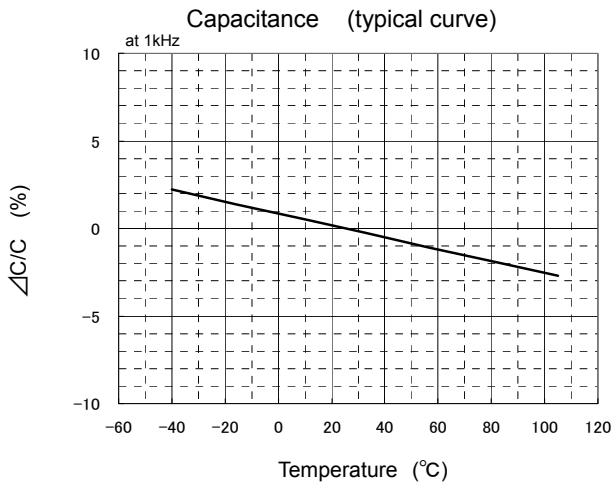


* Life time : Reach ΔC/C = - 10 % , Judgement of Panasonic
* 105°C : Not guarantee voltage

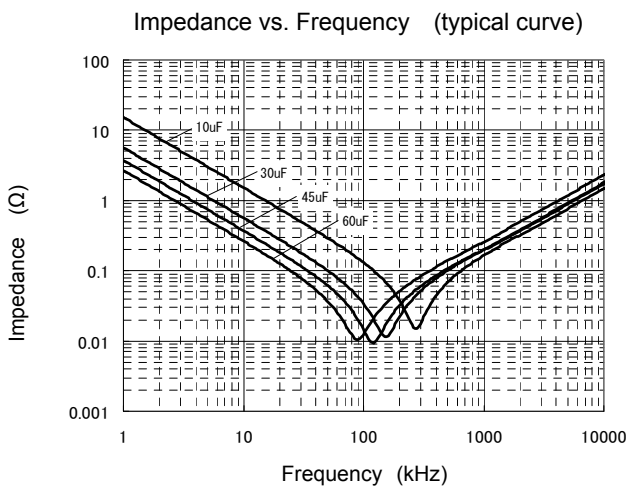
■ Characteristics <Reference>

● Type EZPE Rated voltage : 800 VDC at 70 °C (700VDC at 85 °C)

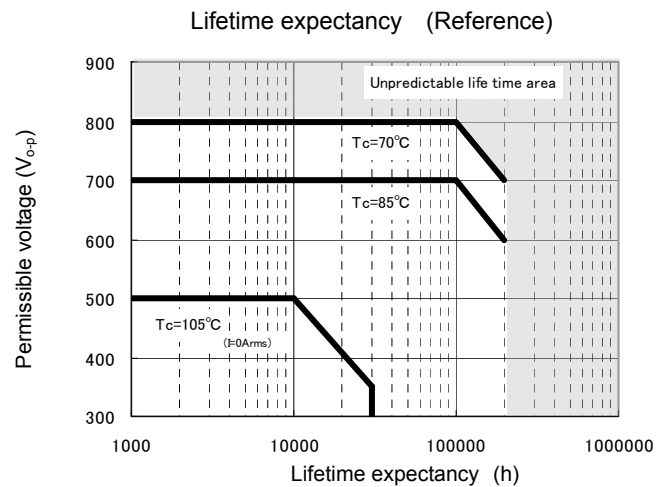
● Temperature Characteristics



● Frequency Characteristics



● Lifetime expectancy

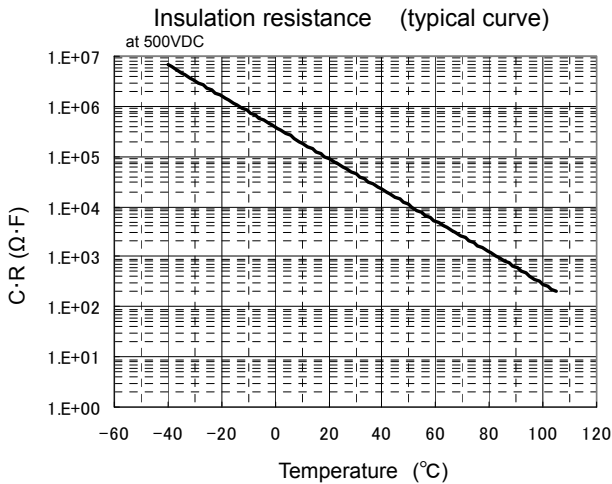
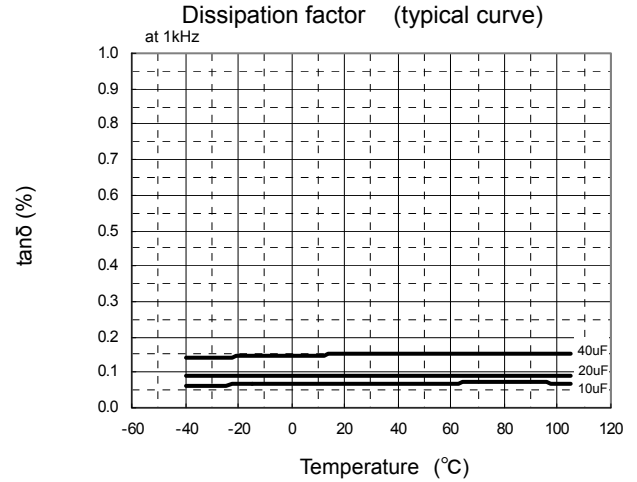
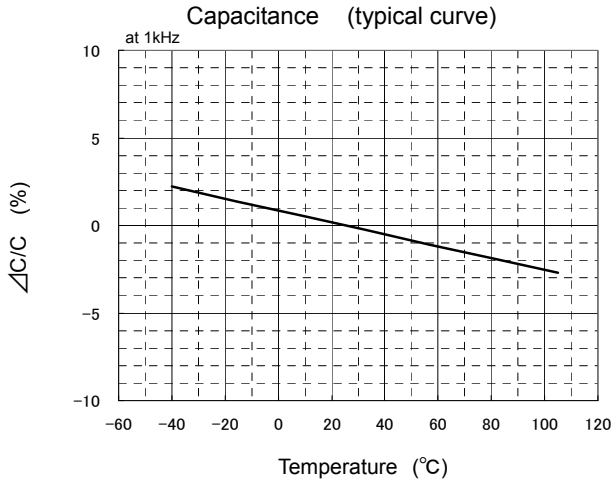


* Life time : Reach $\Delta C/C = -10\%$, Judgement of Panasonic
* $105^\circ C$: Not guarantee voltage

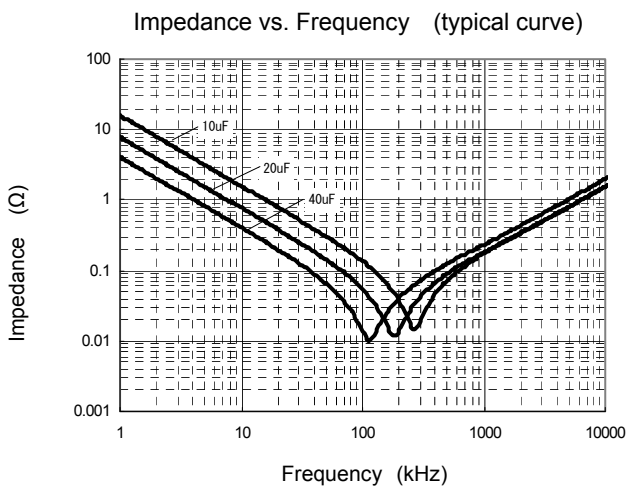
■ Characteristics <Reference>

● Type EZPE Rated voltage : 1100 VDC at 70 °C (920VDC at 85 °C)

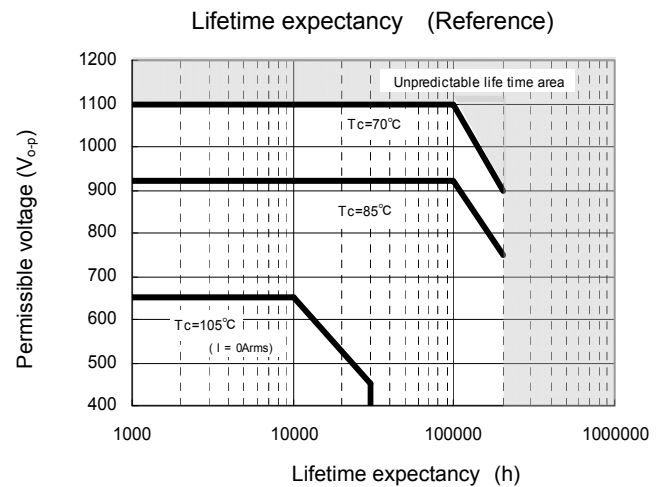
● Temperature Characteristics



● Frequency Characteristics



● Lifetime expectancy

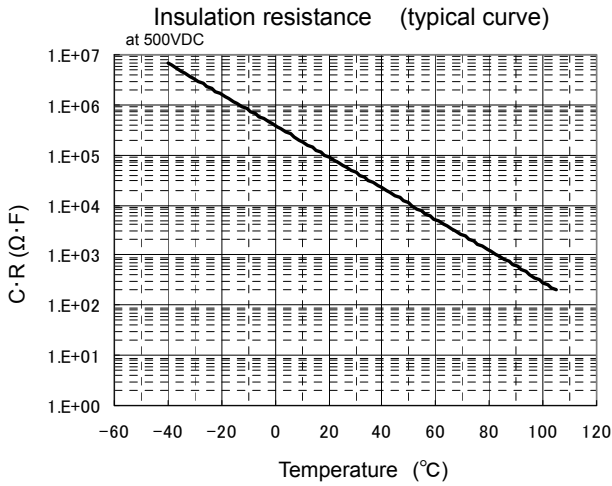
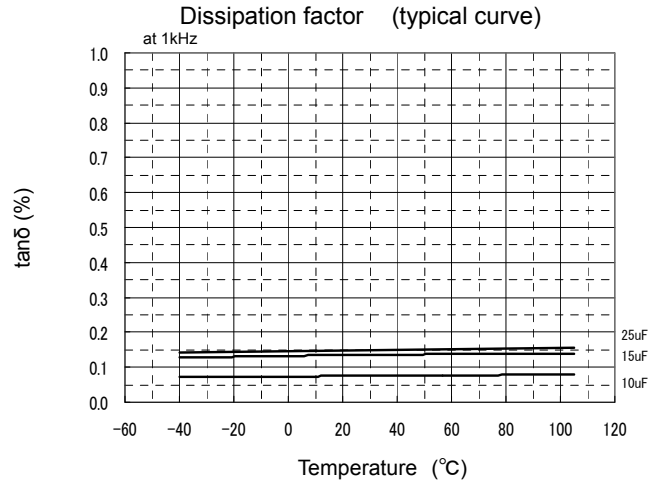
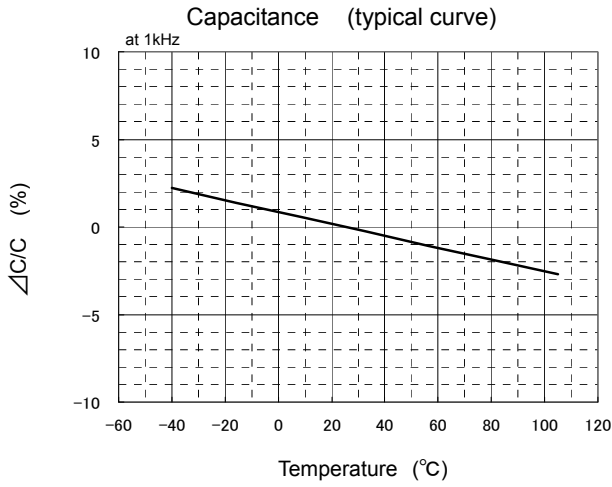


* Life time : Reach $\Delta C/C = -10\%$, Judgement of Panasonic
* 105°C : Not guarantee voltage

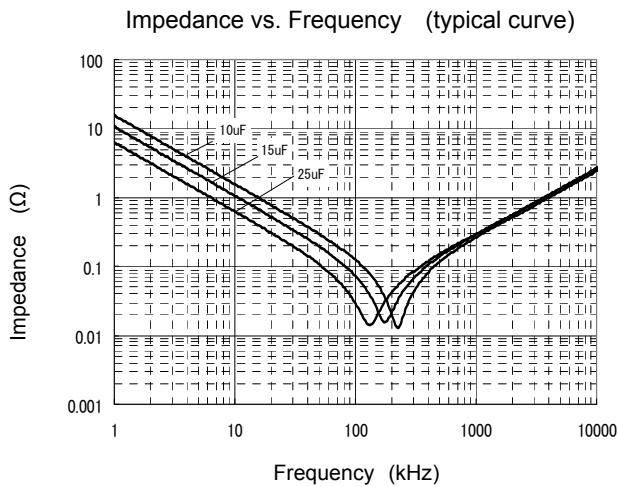
■ Characteristics <Reference>

● Type EZPE Rated voltage : 1300 VDC at 70 °C (1100VDC at 85 °C)

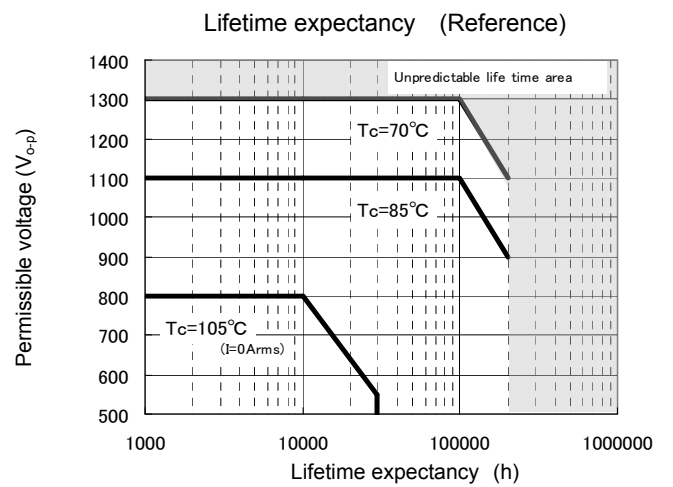
● Temperature Characteristics



● Frequency Characteristics



● Lifetime expectancy



* Life time : Reach ΔC/C = - 10 % , Judgement of Panasonic
* 105°C : Not guarantee voltage