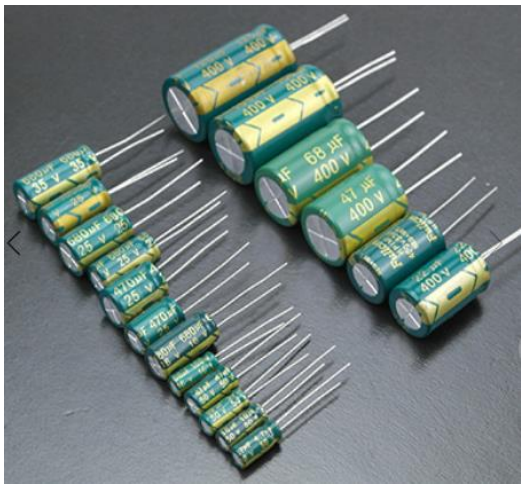


■ Model List of KRE-AEC-HP series

Voltage (VDC)	Capacitance (µ F)	Size (mm)	Model No.
200-450	10	8*12	KRE-AEC-HP400010
200-450	22	13*18	KRE-AEC-HP400022
200-450	33	13*21	KRE-AEC-HP400033
200-450	47	16*21	KRE-AEC-HP400047
200-450	68	16*26	KRE-AEC-HP400068
200-450	82	18*26	KRE-AEC-HP400082
200-450	100	18*31	KRE-AEC-HP400100
200-450	120	18*31	KRE-AEC-HP400120
200-450	150	18*35	KRE-AEC-HP400150

Notice:

1) Rated working voltage range of HP series is 200VDC ~ 450VDC.
2) Capacitance of HP series is 1 µ F ~ 220 µ F.
3) This model list only shows regular models of KRE-AEC-HP series, it can be customized according to customer's requirements.

■ Features

1) Low impedance at high frequency.
2) 105℃, high ripple current, 3000 hours long life.
3) The price has an overwhelming advantage over other types, because the constituent materials of electrolytic capacitors are common industrial materials, such as aluminum and so on.
4) Relatively large loss and leakage.

■ Applications

- Switching power supplies.
- Other industrial electronic products.

■ Description

KRE-AEC-LE is a highly reliable aluminum electrolytic capacitor series, this series can be 200VDC – 450VDC.
The entire series supplies different models with different voltage and capacitance that can satisfy the demands for various types of electronic products.

■ Characteristics

Rated voltage working range:
200VDC ~ 450VDC

Nominal capacitance range:
1μF～220μF

Capacitance tolerance:
±20%（M）（+25℃，100/120Hz）

Operating temperature range:
-25℃～+105℃

Leakage current:
LC≤0.02CV+10uA (After 1 minute whichever is greater measured with rated working voltage applied).
Nominal Capacitance in μF
Rated Working Voltage in V
Leakage Current in μA

Dissipation factor：

Rated Working Voltage	200	250	400	450
DF (Max) +25℃ 100/120Hz	0.15	0.15	0.15	0.15

Low temperature characteristics:

Rated Working Voltage	200	250	400-450
Impedance Ratio (Max)	6	6	11

Load life:
After applying rated working voltage for 2000 hours at 105°C and then being stabilized at 25°C, capacitors shall meet following limits.

1) Capacitance change: Within±20% of the initial measured value.
2) Dissipation Factor: Less than 200% of the specified value.
3) Leakage Current: Within specified value.

Shelf life:
After storage for 500 hours at 105℃ and with on voltage applied and then being stabilized at 25℃, capacitors shall meet following limits.

1) Capacitance change: Within±20% of the initial measured value.
2) Dissipation Factor: Less than 200% of the specified value.
3) Leakage Current: Less than 200% of the specified value.

Multiplier for ripple current:
Frequency coefficient:

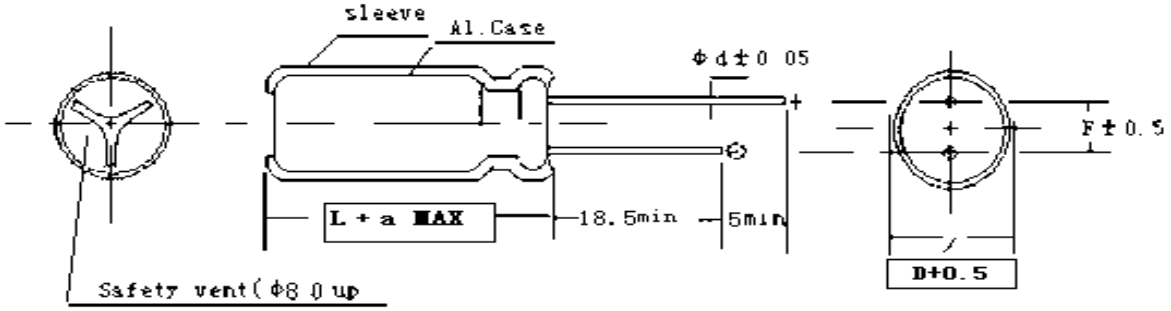
Ereq (Hz) / Cap (μF)	50 (60)	100 (120)	1K	10K	100K
200~250	0.8	1.0	1.40	1.60	1.8
400~450	0.75	1.0	1.30	1.60	1.8

Temperature coefficient:

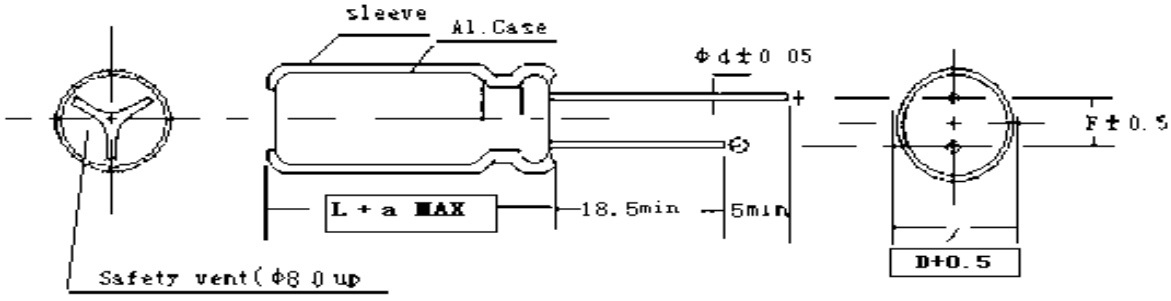
Temperature (°C)	+105	+85	+65
Factor	1.0	1.70	2.0

■ Mechanical Characteristics

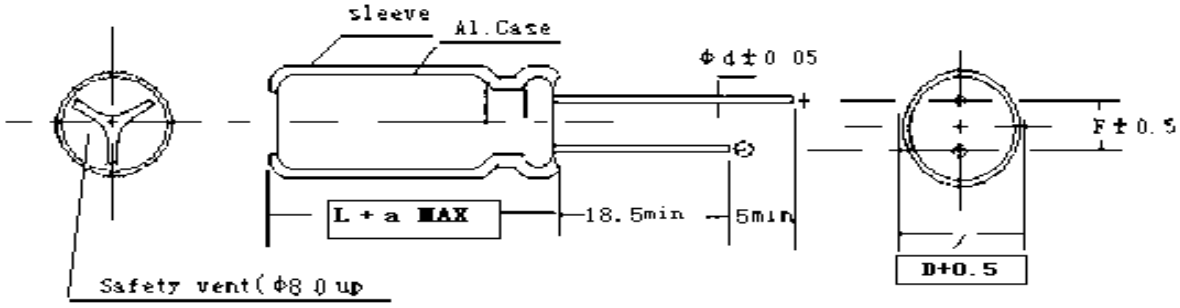
KRE-AEC-HP400010 Unit: mm



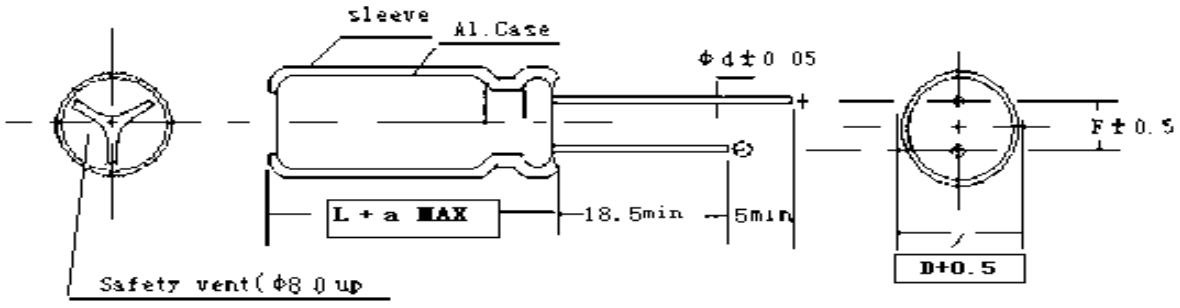
KRE-AEC-HP400022 Unit: mm



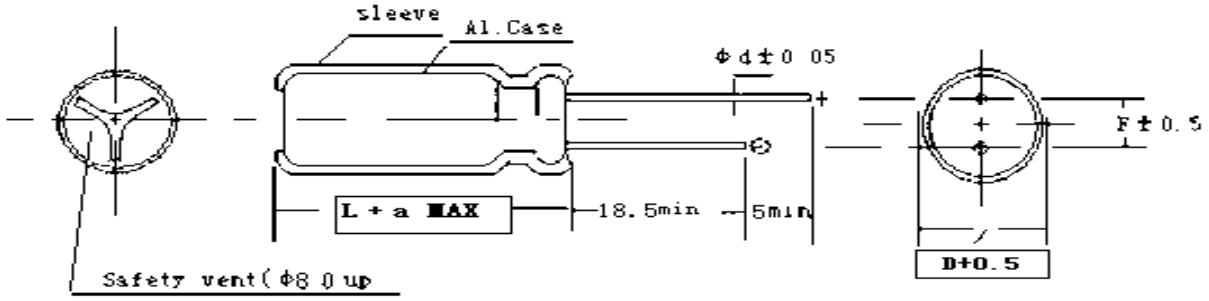
KRE-AEC-HP400033 Unit: mm



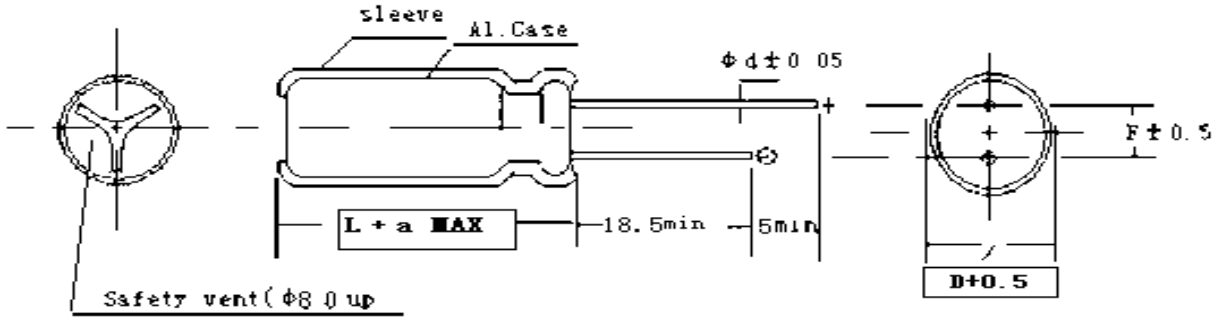
KRE-AEC-HP400047 Unit: mm



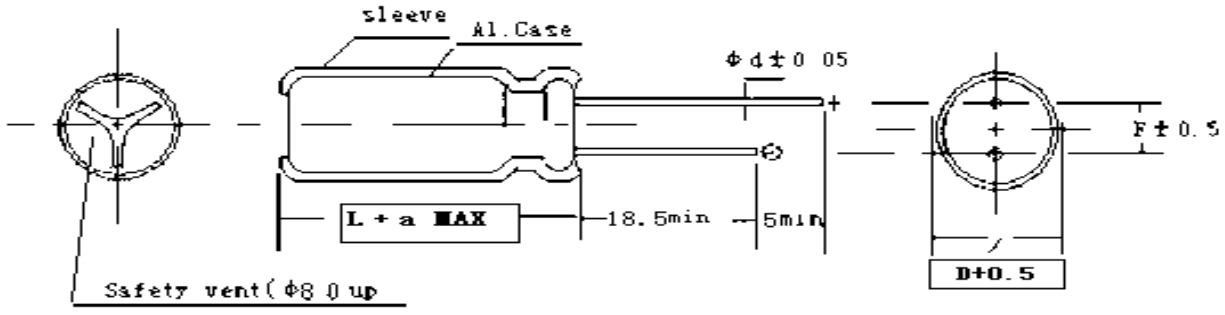
KRE-AEC-HP400068 Unit: mm



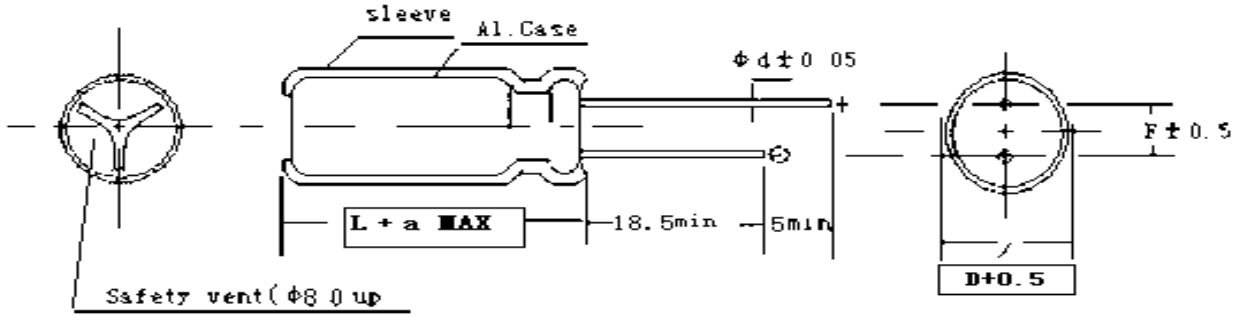
KRE-AEC-HP400082 Unit: mm



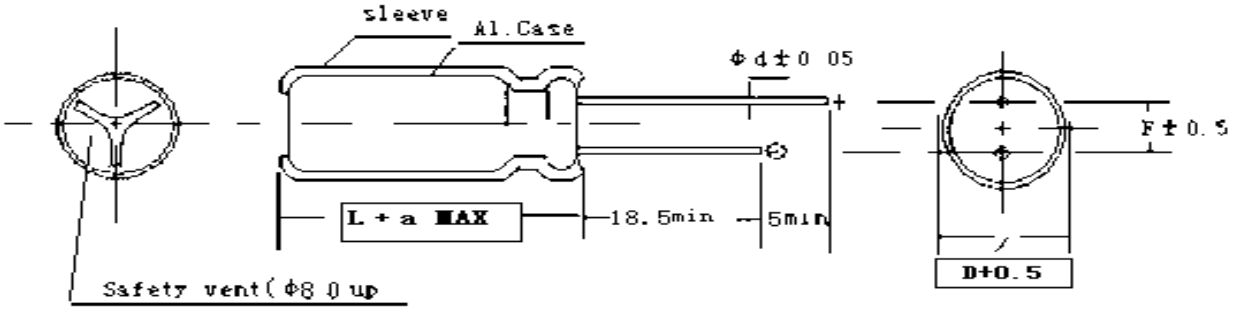
KRE-AEC-HP400100 Unit: mm



KRE-AEC-HP400120 Unit: mm



KRE-AEC-HP400150 Unit: mm



Remarks:

KRECO is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at https://www.krecocap.com for the most up-to-date specifications and contact information.