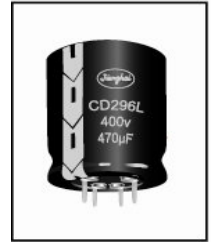
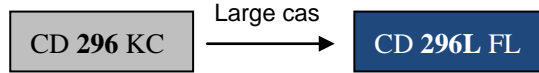




CD296L FL SERIES

3000h at 105°C

- Long Life at High Temperature
- High Ripple Current
- Suit for high frequency regenerative voltage for AC servomotor, general inverter.

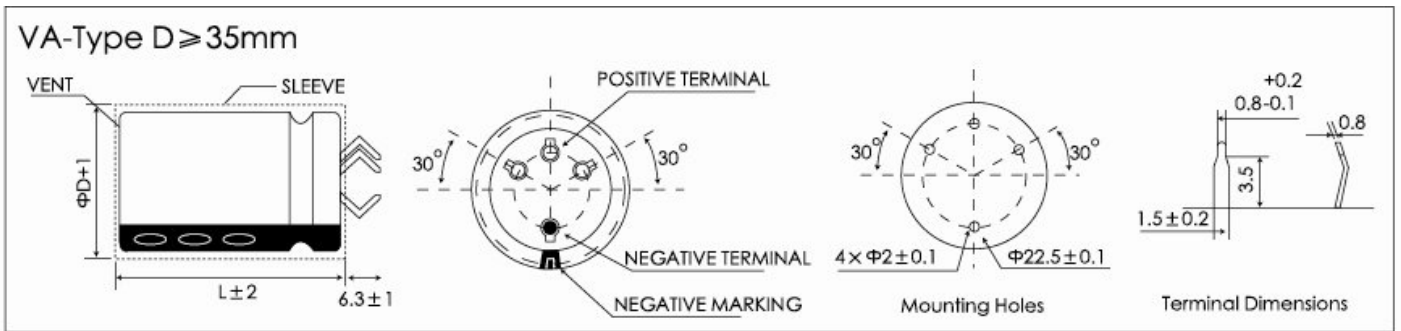


Items	Characteristics		
Operating Temperature Range(°C)	-40 ~ +105	-25 ~ +105	
Voltage Range (V)	350~420	450~500	
Capacitance Range(µF)	390~3300		
Capacitance Tolerance (20°C, 120Hz)	±20%		
Leakage Current (µA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 1.5mA, whichever is smaller C:Nominal Capacitance(µF) V:Rated Voltage(V)		
Dissipation Factor (20°C, 120Hz)	WV(V)	350~500	
	Tan δ	0.15	
Stability at Low Temperature (Impedance Ratio at 120Hz)	Rated Voltage (V)	350~420	450~500
	Z _{-25°C} / Z _{20°C}	4	7
	Z _{-40°C} / Z _{20°C}	7	-

	Useful Life		Load Life	Endurance Life	Shelf Life
Life Time	6000h	>200000h	3000h	4000h	1000h
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value
Capacitance Change	Within ±30% of initial value		Within ±20% of initial value	Within ±20% of initial value	Within ±20% of initial value
Dissipation Factor	No more than 300% of specified value		Not more than 200% of specified value	Not more than 200% of specified value	Not more than 200% of specified value
Condition: Applied Voltage Applied Current Applied Temperature	Ur Ir 105°C	Ur 1.2xIr 40°C	Ur Ir 105°C	Ur Ir=0 105°C	Ur=0 Ir=0 105°C After test: Ur to be applied for 30min>24h before measurement

Dimensions

mm



Frequency Coefficient

Frequency	50/60HZ	120HZ	300HZ	1KHZ	10KHZ	≥50KHZ
Factor	0.80	1.00	1.16	1.30	1.41	1.43

Temperature Coefficient

Temperature(°C)	+40	+55	+70	+85	+105
Factor	3.0	2.8	2.5	2.0	1.0



Lifetime Diagram

