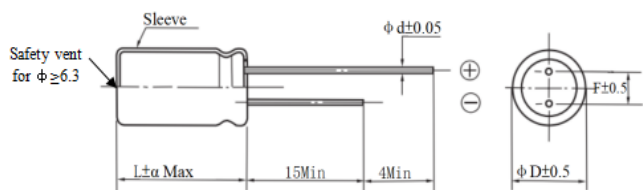


1. Dimensions:

Unit: mm



φ D	5.0	6.3	8(L<20)	8 (L≥20)	
F	2.0	2.5	2.5/3.5	3.5	
φ d	0.5			0.6	
φ D	10	13	16	18	20
F	5.0		7.5	7.5	7.5
φ d	0.6		0.8	0.8	0.8
α	(L<20) 1.5 ; (L≥20) 2.0				

2. Technical Parameter:

Aillen	Cap. (μF) at +20°C	Cap. Tol.(%) at +20°C	Rate Volt. (VDC)	Surge Volt. (VDC)	Oper. Temp. (°C)	Case Size φD*L (mm)	Leakage Current ¹⁾ (uA) Max at +20°C	Dissipation Factor Max at +20°C 120Hz(%)	ESR Max at +20°C 120Hz (Ω)	ESR Max at +20°C 100kHz (Ω)	R.C Max at 105°C 100KHz (mA rms)	R.C Max at 105°C 120Hz (mA rms)	Load Life at 105°C (hours)
P/N													
CBE228M1VH1TK20CB6	2200	±20%	35	44	-40~105	16x20	770	16	/	/	/	1280	2000

Remark:

- 1) 6.3~100V:L.C≤0.01CV or 3 (μA) whichever is greater; 160~450V:L≤0.03CV+10 (μA), After 2 minute measured with rated working voltage applied,
C: Capacitance (μF) V: Rated DC Working Voltage (V).

3. Multiplier For Ripple Current&Temperature coefficient

Remark : When capacitors are operated at temperatures other than +105°C, and frequency other than 120Hz, the maximum Ripple Current(R.C.) must be multiplied by the factors shown in below table.

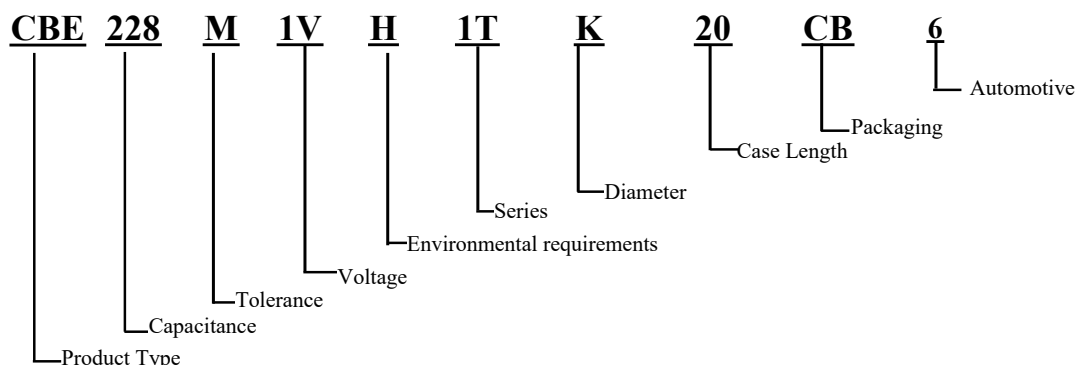
Frequency	50(60) Hz	120Hz	500Hz	1kHz	≥10K
Cap(μF) Coefficient					
≤47μF	0.80	1.00	1.20	1.30	1.50
100~1000μF	0.75	1.00	1.10	1.15	1.20
>2200μF	0.70	1.00	1.05	1.10	1.15

Temperature(°C)	105	85	≤70
Coefficient	1.0	1.5	2.0

4.Characteristics

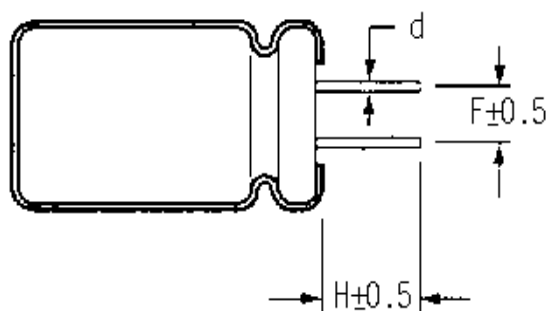
Item	Characteristics								
Load Life	The capacitor is stored at a temperature of 105±2℃ with DC bias voltage plus the rated ripple current for 2000+48/0 hours. (The sum of DC and ripple peak voltage shall not exceed the rated working voltage) Then the product should be tested after 16 hours recovering time at atmospheric conditions. The result should meet the following table:								
	Capacitance Change		Within ±20% of initial value						
	Dissipation Factor		Not more than 200% of the specified value						
	Leakage Current		Not more than the specified value						
Shelf Life	The capacitors are then stored with no voltage applied at a temperature of 105±2℃ for 1000+48/0 hours. Following this period the capacitors shall be removed from the test chamber and be allowed to stabilized at room temperature for 4~8 hours. Next they shall be connected to a series limiting resistor(1k±100Ω) with D.C. rated voltage applied for 30min. After which the capacitors shall be discharged, and then, tested the characteristics.								
	Capacitance Change		Within ±20% of initial value						
	Dissipation Factor		Not more than 200% of the specified value						
	Leakage Current		Not more than the specified value						
Low Temperature Stability	Rated Voltage (V)	6.3	10	16	25~100	160~350	400~420	450	
	Z-25℃/Z+20℃ (120Hz)	5	4	3	2	4	6	15	
	Z-40℃/Z+20℃ (120Hz)	10	8	6	4	/	/	/	

5.Part Number System:



6. Forming Dimension (成型) :

Cutting Type (切脚)



Unit: mm

Shape Code	φD	φ6.3	φ8	φ10~φ13	φ16~φ18
Cutting-3.5mm (CB)	F	2.5	3.5	5	7.5
	H	3.5	3.5	3.5	3.5
	d±0.05	0.5	0.5	0.6	0.8

Shape Code	φD	φ6.3	φ8	φ10~φ13	φ16~φ18
Cutting-4.0mm (CC)	F	2.5	3.5	5	7.5
	H	4.0	4.0	4.0	4.0
	d	0.5	0.5	0.6	0.8

Shape Code	φD	φ6.3	φ8	φ10~φ13	φ16~φ18
Cutting-4.5mm (CD)	F	2.5	3.5	5	7.5
	H	4.5	4.5	4.5	4.5
	d	0.5	0.5	0.6	0.8

Shape Code	φD	φ6.3	φ8	φ10~φ13	φ16~φ18
Cutting-5.0mm (CE)	F	2.5	3.5	5	7.5
	H	5.0	5.0	5.0	5.0
	d	0.5	0.5	0.6	0.8

Shape Code	φD	φ6.3	φ8	φ10~φ13	φ16~φ18
Cutting-5.5mm (CF)	F	2.5	3.5	5	7.5
	H	5.5	5.5	5.5	5.5
	d	0.5	0.5	0.6	0.8

Shape Code	φD	φ6.3	φ8	φ10~φ13	φ16~φ18
Cutting-6.5mm (CH)	F	2.5	3.5	5	7.5
	H	6.5	6.5	6.5	6.5
	d	0.5	0.5	0.6	0.8