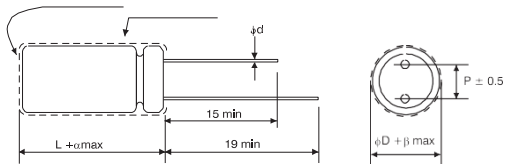


CAEB SERIES: 125°C, Long Life



FEATURES

- ◆ 3,000 ~ 5,000 hours assured
- ◆ 125° C
- ◆ For high temperature applications
- ◆ RoHS Compliant

Items	Performance									
Operating Temperature Range	-40 °C ~ + 125°C									
Capacitance Tolerance	+20% (at 120Hz, 20 °C)									
Leakage Current (at 20 °C)	I = 0.01CV or 3 (μA) whichever is greater after 2 minutes Where C = rated capacitance in μF. V = rated DC working voltage in V.									
Dissipation Factor (Tan δ at 120Hz, 20 °C)	Rated Voltage	10	16	25	35	50	63			
	Tan δ(max)	0.15	0.12	0.10	0.10	0.08	0.08			
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.									
	Rated Voltage			10	16	25	35	50	63	
	Impedance Ratio	Z (-25) / Z (+20 °C)			3	2	2	2	2	2
		Z (-40) / Z (+20 °C)			6	4	4	4	4	4
Load Life Test	Test Time		3,000 hrs for ØD ≤ 8 mm 5,000 hrs for ØD ≥ 10 mm							
	Capacitance Change		Within + 20% of initial value							
	Dissipation Factor		Less than 200% of specified value							
	Leakage Current		Within specified value							
	* The above specifications shall be satisfied when the capacitors are restored to 20 °C after applied with rated subjected to DC voltage with the rated ripple current is applied for 3,000 / 5,000 hrs at 125 °C									
Shelf Life Test	Test Time		1,000 hours							
	Capacitance Change		Within + 20% of initial value							
	Dissipation Factor		Less than 200% of specified value							
	Leakage Current		Less than 500% of specified value							
	* The above specifications shall be satisfied when the capacitors are restored to 20 °C after exposing them for 1,000 hrs at 125 °C without voltage applied. (The procedures before testing JIS C 5102 4.4)									
Other Standards	JIS C 5101-4									

DIMENSIONS AND PERMISSABLE RIPPLE CURRENT

Dimension: φD×L(mm)

Ripple Current: mA/RMS at 120Hz 125°C

VDC	10V (1A)	16V (1C)		25V (1E)		35V (1V)		30V (1H)		63V (1J)	
	Contents	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA
0.47	474							8 x 11.5	12	8 x 11.5	12
1	105							8 x 11.5	17	8 x 11.5	17
2.2	225							8 x 11.5	26	8 x 11.5	26
3.3	335							8 x 11.5	32	8 x 11.5	32
4.7	475							8 x 11.5	38	8 x 11.5	38
10	106							8 x 11.5	56	8 x 11.5	56
22	226					8 x 11.5	75	10 x 12.5	99	10 x 12.5	99
33	336					8 x 11.5	92	10 x 12.5	108	10 x 16	133
47	476			8 x 11.5	100	10 x 12.5	129	10 x 16	142	10 x 16	159
100	107	10 x 12.5	154	10 x 16	190	10 x 16	208	10 x 20	225	10 x 20	173
220	227	10 x 16	252	10 x 20	305	12.5 x 20	371	12.5 x 25	403	12.5 x 20	279
330	337	10 x 16	308	12.5 x 20	414	12.5 x 25	493	16 x 20	503		
470	477	10 x 20	399	12.5 x 25	537	16 x 20	601			16 x 20	459
1,000	108	16 x 20	715								

PART NUMBER EXAMPLE

CAEB 106 M 1H B 080 115

Code	Lead Forming Type
O	Bulk
T	5mm Chip tape
A	(Φ4~Φ6.3)2.5mm tape
F	(Φ4~Φ8)5mm tape
P	Φ≥Φ8mm original(vertical)tape
M	5mm Lead forming
C	C Lead forming
B	B Lead forming
D	(Φ4~Φ8)2.5mm Lead forming

LEAD SPACING AND DIAMETER

φD	8	10	12.5	16
P	3.5	5.0	5.0	7.5
φd	0.6			0.8
α	1.0	1.5		
β	0.5			