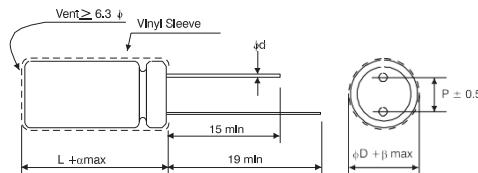


CAEA SERIES: 130°C, Long Life



FEATURES

- ◆ 1,000 ~ 3,000 hours assured
- ◆ 130° C
- ◆ For high temperature applications
- ◆ RoHS Compliant

SPECIFICATIONS

Items	Performance												
Operating Temperature Range	10 ~ 250V -40°C ~ +130°C						350 ~ 450V -25°C ~ 130°C						
Capacitance Tolerance	+20% (at 120Hz, 20°C)												
Leakage Current (at 20° C)	Rated Voltage	< 100V				> 100V							
	Time	after 2 minutes				after 1 minutes							
	Leakage Current	I = 0.01CV or 3 (μA) whichever is greater				CV ≤ 1000 I = 0.1CV+40 (μA)			CV ≥ 1000 I = 0.04CV+100 (μA)				
	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	160	200	250	350	400	450
	Tan (max)	0.15	0.12	0.10	0.10	0.08	0.08	0.20	0.20	0.20	0.24	0.24	0.24
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	160	200	250	350
	Impedance Ratio	Z (-25) / Z (+20°C)	3	2	2	2	2	2	3	3	3	6	6
Load Life Test	Z (-40) / Z (+20°C)			6	4	4	4	4	4	6	6	-	-
	Test Time		2,000 hrs for φD ≤ φ8mm (125°C) 3,000 hrs for φD ≥ φ10mm (130°C)										
	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 2,000 / 3,000 hrs at 125°C / 130°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 130°C without voltage applied. (The procedures before testing JIS C 5102 4.4)													
Other Standards	JIS C 5101-4												

PART NUMBER EXAMPLE

CAEA 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	5mn Lead forming
C	C Lead forming
B	B Lead forming
D	(Φ4~Φ8)2.5mm Lead forming

LEAD SPACING AND DIAMETER

Unit: mm

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

CAEA SERIES: 130°C, Long Life**DIMENSIONS AND PERMISSABLE RIPPLE CURRENT**Dimension: $\Phi D \times L$ (mm)

Ripple Current: mA/RMS at 120Hz 130°C

μF	V.DC Contents	10V (1A)		16V (1C)		25V (1E)		35V (1V)	
		$\Phi D \times L$	mA						
22	226							8 x 11.5	75
33	336					8 x 11.5	92	10 x 13	108
47	476			8 x 11.5	100	10 x 12.5	129	10 x 16	142
100	107	10 x 12.5	154	10 x 16	190	10 x 16	208	10 x 20	225
220	227	10 x 16	252	10 x 20	305	12.5 x 20	371	12.5 x 25	403
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		
1,000	108	16 x 20	715						

μF	V.DC Contents	50V (1H)		63V (1J)		160V (2C)		200V (2D)	
		$\Phi D \times L$	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			10 x 20	78
22	226	10 x 12.5	99	10 x 12.5	99	10 x 20	115	10 x 25	126
33	330	10 x 16	133	10 x 16	133	10 x 25	154	12.5 x 20	157
47	476	10 x 16	159	10 x 20	173	12.5 x 20	187	12.5 x 25	204
68	686					12.5 x 25	245	16 x 20	250
100	107	12.5 x 20	279	12.5 x 20	279	16 x 25	329	16 x 25	329
150	157					16 x 31.5	434		
220	227	16 x 20	459						

μF	V.DC Contents	250V (2E)		350V (2V)		400V (2G)		450V (2W)	
		$\Phi D \times L$	mA						
4.7	475			10 x 20	53	10 x 20	53	10 x 25	58
10	106	10 x 20	78	10 x 25	85	10 x 25	86	12.5 x 20	86
22	226	13 x 20	128	12.5 x 25	139	12.5 x 25	142	16 x 25	154
33	336	13 x 25	171	16 x 25	189	16 x 25	189	16 x 31.5	203
47	476	16 x 25	225	16 x 31.5	243	16 x 31.5	243		
68	686	16 x 31.5	292						