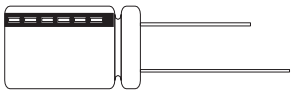
CABA SERIES: Radial Very Low Leakage, 105℃



FEATURES

- 105℃, 1000 hours assured.
- Very Low leakage current.
- Use in high temperature industrial equipment.

SPECIFICATIONS

Item	Performance
Operating Temperature Range	-40℃ ~ +105℃
Capacitance Tolerance	± 20% (120Hz, 20℃)
Leakage Current (at 20℃)	I = 0.002CV or 0.4 (A) whichever is greater (after 2 minutes). Where, C = rated capacitance in F. V=rated DC working voltage in V.

Dissipaton Factor Tan δ at 120 Hz, 20℃

Rated Voltage	6.3	10	16	25	35	50	63	100
Tan δ (max)	0.24	0.21	0.16	0.14	0.12	0.10	0.09	0.08

When the capacitance exceed 1000 F 0.02 shall be added every 1000 F. Impedance ratio shall not exceed the values given in the table below.

Low Temperature Characteristics (at 120Hz)

Rated Voltage		6.3	10	16	25	35	50	63	100
Impedance Ratio	Z(-25°C)/Z(+20°C)	4	3	3	2	2	2	2	2
	Z(-40°C)/Z(+20°C)	8	6	6	4	4	3	3	3

Load Life Test (after application of the rated voltage applied for 1000 hours at 105°C)

Test Time	1000 Hrs	Shelf Life Test (at 20°C after rated voltage applied for 1000 hours at 105°C without voltage applied)	Test Time	1000 Hrs
Capacitance Change	≤ ± 20%		Capacitance Change	≤ ± 20%
Dissipation Factor	Less than 200% of specified value		Dissipation Factor	Less than 200% of specified value
Leakage Current	Within specified value		Leakage Current	Within specified value

Ripple Current & Frequency Multilpiers

Freq. (Hz) / Cap. (μF)	60(50)	120	500	1K	10K μp
Under 100	0.75	1.00	1.35	1.55	1.90
220 to 1000	0.83	1.00	1.23	1.32	1.45
2200 up above	0.90	1.00	1.12	1.10	1.12

Riple Current & Temperature Multipliers

Temperature (°C)	Under 50	70	85	105
Multipliers	2.20	1.75	1.58	1.00

Standards	Satisfies Characteristic W of JIS C 5141

DIMENSIONS AND PERMISSABLE RIPPLE CURRENT

Dimension: ΦD×L(mm) Ripple Current: mA/RMS at 120Hz 105°C

VDC		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1H)		50V(1H)		63V(1J)		100V(2A)	
μF	Code	φDXL	mA	φDXL	mA	φDXL	mA	φDXL	mA	φDXL	mA	φDXL	mA	φDXL	mA	φDXL	mA
0.1	104											5 x 11	1.3			5 x 11	2.6
0.22	224											5 x 11	2.9			5 x 11	5.8
0.33	334											5 x 11	4.4			5 x 11	8
0.47	474											5 x 11	7			5 x 11	10
1	105											5 x 11	13			5 x 11	15
2.2	225											5 x 11	20			5 x 11	23
3.3	335											5 x 11	25			5 x 11	29
4.7	475							5 x 11	26	5 x 11	28	5 x 11	30	5 x 11	32	5 x 11	34
10	106					5 x 11	35	5 x 11	38	5 x 11	41	5 x 11	46	5 x 11	50	6.3 x 11	56
22	220			5 x 11	49	5 x 11	54	5 x 11	57	5 x 11	61	5 x 11	68	6.3 x 11	82	8 x 11.5	96
33	336	5 x 11	54	5 x 11	60	5 x 11	64	5 x 11	69	5 x 11	75	6.3 x 11	90	6.3 x 11	100	10 x 12.5	140
47	476	5 x 11	65	5 x 11	70	5 x 11	99	5 x 11	82	6.3 x 11	100	6.3 x 11	110	8 x 11.5	135	10 x 16	180
100	107	5 x 11	95	5 x 11	105	6.3 x 11	25	6.3 x 11	135	8 x 11.5	170	8 x 11.5	180	10 x 12.5	225	13 x 20	320
220	227	6.3 x 11	160	6.3 x 11	175	8 x 11.5	15	8 x 11.5	230	10 x 12.5	300	10 x 16	345	10 x 20	400	16 x 25	570
330	337	6.3 x 11	195	8 x 11.5	245	8 x 11.5	60	10 x 12.5	335	10 x 16	400	10 x 20	460	13 x 20	540	16 x 25	700
470	477	8 x 11.5	270	8 x 11.5	290	10 x 12.5	70	10 x 16	440	10 x 20	520	13 x 20	610	13 x 25	700	16 x 31.5	880
1000	108	10 x 12.5	460	10 x 16	550	10 x 20	40	13 x 20	770	13 x 25	920	16 x 25	1080	16 x 31.5	1210		
2200	228	13 x 20	810	13 x 20	860	13 x 25	000	16 x 25	1170	16 x 31.5	1340	18 x 35.5	1530				
3300	338	13 x 20	960	13 x 25	1100	16 x 25	300	16 x 31.5	1460	18 x 35.5	1650						
4700	478	16 x 25	1330	16 x 25	1400	16 x 31.5	600	18 x 35.5	1780	18 x 40	1900						

PART NUMBER EXAMPLE

CABA 226 M 1C B 050 110

LEAD SPACING AND DIAMETER

φd	5	6.3	8	10	13	16	18
P/F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5		0.6			0.8	
α	1.0		1.5				
β	0.5						

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