CAYCB *Upgrade!*

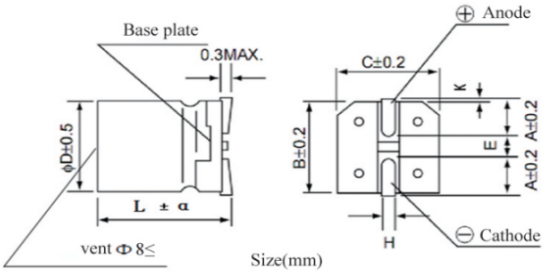
- ◆ 150°C Ultra High Temperature 2000 Hours
- ◆ Low ESR, High Ripple Current, High Reliability
- ◆ SMD Type：High Temperature Reflow-Soldering
- ◆ RoHS Compliant (2011/65/EU)

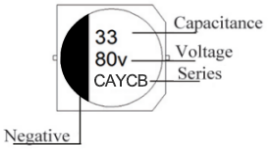
■ Specification

Items	Characteristics
Operation Temperature Range	-55°C~+150°C
Rated Voltage	25-80V
Capacitance Range	33~1800μF 120Hz/20°C
Capacitance Tolerance	±20%(120Hz/20°C)
Dissipation Factor	Less than standard data 120Hz/20°C
Leakage Current	I≤0.01CV, charging 2 mins with rated voltage, 20°C
ESR	Less than standard data 100KHz/20°C
Temperature Characteristics	Z (-25°C)/Z (+20°C)≤2.0； Z (-55°C)/Z (+20°C)≤2.5 (100KHZ)
Endurance	After applying the rated voltage with rated ripple current at 150°C for 2000 hours, the following specifications shall be satisfied after 16 hours at 20°C:
	Capacitance change: Within±30% of the initial value
	ESR: Not more than 200% of the specified value
	Dissipation Factor: Not more than 200% of the specified value
	Leakage current: Not more than the specified value
ShelfLife	After leaving capacitor under no load at 105C for 1000 hours, and place it in normal temperature 16 hours with test temperature at 20°C±2°C, the following specifications shall be satisfied
	Capacitance change: Within±30% of the initial value
	ESR: Not more than 200% of the specified value
	Dissipation Factor: Not more than 200% of the specified value
	Leakage current: Not more than the specified value
	Note: Over voltage test has to be done before LC test
Humidity	Store the capacitor at 85°C under the condition of 85%R.H with no load for l000hrs, the following specifications shall be satisfied after placing capacitor for 16 hours at 20°C.
	Capacitance change: Within±30% of the initial value
	ESR: Not more than 200% of the specified value
	Dissipation Factor: Not more than 200% of the specified value
	Leakage current: Not more than the specified value

If you have question for leakage current, please apply rated voltage on capacitors at 105°C for 2hours, then test the leakage current again at 20°C.

■ Standard Size





ΦD	B	C	A	H	E	K	α
8	8.3	8.3	3.4	0.90±0.20	3.1	0.5MAX	±0.5
10	10.3	10.3	3.5	0.90±0.20	4.6	0.7±0.20	
12.5	13.5	13.5	4.7	0.90±0.20	4.6	0.7±0.30	
16	17.0	17.0	5.5	1.20±0.30	6.7	0.7±0.30	±1.0
18	19.0	19.0	6.7	1.20±0.30	6.7	0.7±0.30	

■ Rated Ripple Current Frequency Correction Factor

Frequency（Hz）	120Hz	1KHz	10KHz	100KHz	300KHz
Correction factor	0.12	0.35	0.80	1.00	1.00

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■ Standard Size Ripple current (mA/r.m.s) 125°C100kHz 、 ESR(mΩ100kHz)

Rated Voltag (Surge Voltage) (V)	Capacitance (μF)	Size ΦD×L(mm)	Tanδ 120Hz	ESR	Ripple current	Part number
25(28.8)	220	8×10.5	0.14	27	700	CAYCB227M1ET080105
25(28.8)	470	10×10.5	0.14	25	900	CAYCB477M1ET100105
25(28.8)	560	10×12.5	0.14	20	1050	CAYCB567M1ET100125
25(28.8)	1500	12.5×21.5	0.14	15	2500	CAYCB158M1ET125215
35(41)	120	8×10.5	0.12	27	700	CAYCB127M1VT080105
35(41)	220	10×10.5	0.12	25	900	CAYCB227M1VT100105
35(41)	330	10×12.5	0.12	20	1050	CAYCB337M1VT100125
35(41)	1800	18×26.5	0.12	15	4000	CAYCB188M1VT180265
50(58)	82	8×10.5	0.10	30	600	CAYCB826M1HT080105
50(58)	120	10×10.5	0.10	28	800	CAYCB127M1HT100105
50(58)	180	10×12.5	0.10	25	1000	CAYCB187M1HT100125
50(58)	1800	18×31.5	0.10	18	5300	CAYCB188M1HT180315
63(73)	47	8×10.5	0.08	40	600	CAYCB476M1JT080105
63(73)	82	10×10.5	0.08	30	800	CAYCB826M1JT100105
63(73)	120	10×12.5	0.08	25	1000	CAYCB127M1JT100125
63(73)	1200	18×31.5	0.08	20	5000	CAYCB128M1JT180315
80(92)	33	8×10.5	0.08	40	600	CAYCB336M1KT080105
80(92)	47	10×10.5	0.08	30	800	CAYCB476M1KT100105
80(92)	68	10×12.5	0.08	25	1000	CAYCB686M1KT100125
80(92)	680	18×31.5	0.08	20	4700	CAYCB337M1KT180315

PART NUMBER EXAMPLE