

CAYAG Upgrade!



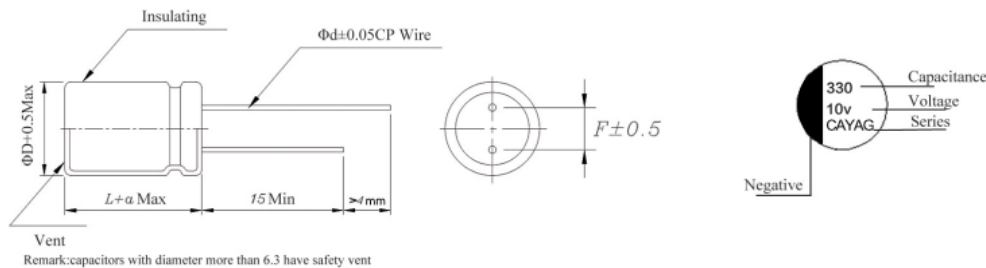
- ◆ 125°C 5000 Hours
- ◆ High Temperature, Thin Size
- ◆ High Stability, Low ESR, High Frequency
- ◆ RoHS Compliant (2011/65/EU)

■ Specification

Items	Characteristics	
Operation Temperature Range	-55°C~+105°C	
Rated Voltage	6.3~100V	
Capacitance Range	8.2~10000μF 120Hz/20°C	
Capacitance Tolerance	±20%(120Hz/20°C)	
Dissipation Factor	Less than standard data 120Hz/20°C	
Leakage Current	Less than standard data charging 2mins with rated voltage, 20°C	
ESR	Less than standard data 100KHz/20°C	
Endurance	After load rated voltage for 2000hours at125°C,the following specification shall be satisfied after placing capacitor for 16 hours at 20°C	
	Capacitance change	Within±20% of the initial value
	ESR	Not more than 150% of the specified value
	Dissipation Factor	Not more than 150% of the specified value
	Leakage current	Not more than the specified value
Humidity	Store the capacitor at 60 °C under the condition of 90%~95%R.H with no load for 1000hrs, the following specifications shall be satisfied after placing capacitor for 16 hours at 20°C.	
	Capacitance change	Within±20% of the initial value
	ESR	Not more than 150% of the specified value
	Dissipation Factor	Not more than 150% 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



D(±0.5)	8	10	12.5	16	18	22	25
d(±0.05)	0.6	0.6	0.6	0.8	0.8	0.8	0.8
F(±0.5)	3.5	5.0	5.0	7.5	7.5	10.0	12.5
	+0.5			+1.0			

■ Rated Ripple Current Frequency Correction Factor

Frequency (Hz)	120Hz	1KHz	10KHz	100KHz	300KHz
Correction factor	0.10	0.45	0.50	1.00	1.00

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■ **Standard Size** Ripple current (mA/r.m.s) 125°C100kHz、ESR(m 100kHz)

Rated Voltage (Surge Voltage) (V)	Capacitance (μF)	Size ΦD×L(mm)	L.C (μA,2 min)	Tanδ 120Hz	ESR	Ripple current	Part number
6.3(7.2)	560	8×6.2	705.6	0.08	20	1350	CAYAG567M0JO080062
6.3(7.2)	1000	10×6.5	1260	0.08	20	1500	CAYAG108M0JO100065
6.3(7.2)	3300	12.5×10.5	4158	0.12	20	1950	CAYAG338M0JO120105
6.3(7.2)	4700	16×11.5	5922	0.15	20	2050	CAYAG478M0JO160115
6.3(7.2)	6800	18×11.5	7500	0.19	20	2150	CAYAG688M0JO180115
6.3(7.2)	8200	22×12.5	7500	0.22	20	2500	CAYAG828M0JO220125
6.3(7.2)	10000	25×12.5	7500	0.26	20	2650	CAYAG109M0JO250125
10(11.5)	330	8×6.2	660	0.13	25	1250	CAYAG337M1AO080062
10(11.5)	560	10×6.5	1120	0.15	25	1350	CAYAG567M1AO100065
10(11.5)	2200	12.5×10.5	4400	0.19	25	1750	CAYAG228M1AO125105
10(11.5)	3900	16×11.5	7500	0.22	25	1800	CAYAG398M1AO160115
10(11.5)	4700	18×11.5	7500	0.08	25	1900	CAYAG478M1AO180115
10(11.5)	6800	22×12.5	7500	0.08	25	2250	CAYAG688M1AO220125
10(11.5)	8200	25×12.5	7500	0.08	25	2350	CAYAG828M1AO250125
16(18.4)	180	8×6.2	576	0.15	25	1250	CAYAG187M1CO080062
16(18.4)	330	10×6.5	1056	0.08	40	1350	CAYAG337M1CO080065
16(18.4)	1200	12.5×10.5	3840	0.08	40	1750	CAYAG128M1CO125105
16(18.4)	2200	16×11.5	7040	0.08	40	1800	CAYAG228M1CO160115
16(18.4)	2700	18×11.5	7500	0.08	40	1900	CAYAG278M1CO180115
16(18.4)	3300	22×12.5	7500	0.09	40	2250	CAYAG338M1CO220125
16(18.4)	4700	25×12.5	7500	0.10	40	2350	CAYAG478M1CO250125
25(28.8)	120	8×6.2	600	0.08	40	1000	CAYAG127M1EO080062
25(28.8)	220	10×6.5	1100	0.08	40	1100	CAYAG227M1EO100065
25(28.8)	680	12.5×10.5	3400	0.08	40	1400	CAYAG687M1EO125105
25(28.8)	1200	16×11.5	6000	0.09	40	1450	CAYAG128M1EO160115
25(28.8)	1500	18×11.5	7500	0.10	40	1500	CAYAG158M1EO180115
25(28.8)	2200	22×12.5	7500	0.08	40	1800	CAYAG228M1EO220125
25(28.8)	2700	25×12.5	7500	0.08	50	1850	CAYAG278M1EO250125
35(41)	82	8×6.2	574	0.08	50	1000	CAYAG826M1VO080062
35(41)	150	10×6.5	1050	0.08	50	1100	CAYAG157M1VO100065
35(41)	470	12.5×10.5	3290	0.08	50	1400	CAYAG477M1VO125105
35(41)	820	16×11.5	5740	0.08	50	1450	CAYAG827M1VO160115
35(41)	1200	18×11.5	7500	0.08	50	1500	CAYAG128M1VO180115
35(41)	1500	22×12.5	7500	0.08	50	1750	CAYAG158M1VO220125
35(41)	2200	25×12.5	7500	0.08	50	1850	CAYAG228M1VO225125
50(58)	27	8×6.2	270	0.08	50	1000	CAYAG276M1HO080062
50(58)	56	10×6.5	560	0.08	50	1000	CAYAG566M1HO100065
50(58)	180	12.5×10.5	1800	0.08	50	1250	CAYAG187M1HO125105
50(58)	330	16×11.5	3300	0.08	50	1300	CAYAG337M1HO160115
50(58)	390	18×11.5	3900	0.08	50	1350	CAYAG397M1HO180115
50(58)	560	22×12.5	5600	0.08	50	1600	CAYAG567M1HO220125
50(58)	820	25×12.5	7500	0.08	50	1650	CAYAG827M1HO250125
63(72)	22	8×6.2	277.2	0.08	50	900	CAYAG226M1JO080062

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■ **Standard Size** Ripple current (mA/r.m.s) 125°C100kHz、ESR(m 100kHz)

Rated Voltage (Surge Voltage) (V)	Capacitance (μF)	Size ΦD×L(mm)	L.C (μA,2 min)	Tanδ 120Hz	ESR	Ripple current	Part number
63(72)	39	10×6.5	491.4	0.08	50	1000	CAYAG396M1JO100065
63(72)	120	12.5×10.5	1512	0.08	50	1250	CAYAG127M1JO125105
63(72)	220	16×11.5	2772	0.08	20	1300	CAYAG227M1JO160115
63(72)	270	18×11.5	3402	0.08	20	1350	CAYAG277M1JO180115
63(72)	390	22×12.5	4914	0.12	20	1600	CAYAG397M1JO220125
63(72)	560	25×12.5	7056	0.15	20	1650	CAYAG567M1JO250125
80(92)	15	8×6.2	240	0.08	25	900	CAYAG156M1KO080062
80(92)	27	10×6.5	432	0.08	25	1000	CAYAG276M1KO100065
80(92)	100	12.5×10.5	1600	0.10	25	1250	CAYAG107M1KO125105
80(92)	180	16×11.5	2880	0.13	25	1300	CAYAG187M1KO160115
80(92)	220	18×11.5	3520	0.15	25	1350	CAYAG227M1KO180115
80(92)	270	22×12.5	4320	0.19	25	1600	CAYAG277M1KO220125
80(92)	390	25×12.5	6240	0.22	25	1650	CAYAG397M1KO250125
100(115)	8.2	8×6.2	164	0.10	25	900	CAYAG825M2AO080062
100(115)	15	10×6.5	300	0.11	25	1000	CAYAG156M2AO100065
100(115)	56	12.5×10.5	1120	0.12	25	1250	CAYAG566M2AO125105
100(115)	82	16×11.5	1640	0.15	25	1300	CAYAG826M2AO160115
100(115)	120	18×11.5	2400	0.08	40	1350	CAYAG127M2AO180115
100(115)	150	22×12.5	3000	0.08	40	1600	CAYAG157M2AO220125
100(115)	220	25×12.5	4400	0.08	40	1650	CAYAG227M2AO250125

PART NUMBER EXAMPLE

