

CAYAC Upgrade!



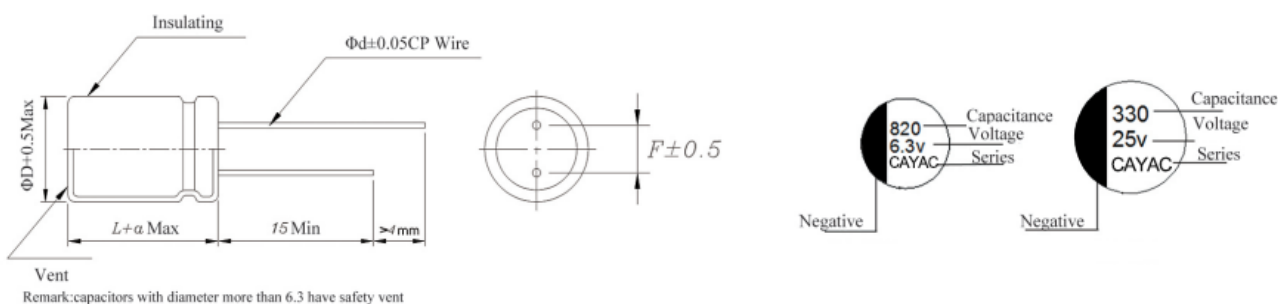
- ◆ 105°C 2000 Hours
- ◆ Standard Product
- ◆ High Stability, Low ESR, High Frequency
- ◆ RoHS Compliant (2011/65/EU)

■ Specification

Items	Characteristics	
Operation Temperature Range	-55°C~+105°C	
Rated Voltage	6.3-25V	
Capacitance Range	10~2500μF 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 at105°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)	5	6.3	8	10
d(±0.05)	0.45/0.50	0.45/0.50	0.6	0.6
F(±0.5)	2.0	2.5	3.5	5.0
	+1			

■ 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)	100	6.3×7	280	0.08	8	4800	CAYAC107M0JO063070
6.3(7.2)	150	6.3×7	280	0.08	8	4800	CAYAC157M0JO063070
6.3(7.2)	180	6.3×7	280	0.08	8	4800	CAYAC187M0JO063070
6.3(7.2)	180	8×8	280	0.08	8	5600	CAYAC187M0JO080080
6.3(7.2)	180	8×11	280	0.08	8	6150	CAYAC187M0JO080110
6.3(7.2)	220	5×9	280	0.08	10	4150	CAYAC227M0JO050090
6.3(7.2)	220	6.3×7	280	0.08	8	4800	CAYAC227M0JO063070
6.3(7.2)	220	8×8	280	0.08	8	5600	CAYAC227M0JO080080
6.3(7.2)	220	8×11	280	0.08	8	6150	CAYAC227M0JO080110
6.3(7.2)	270	5×9	340	0.08	10	4150	CAYAC277M0JO050090
6.3(7.2)	270	6.3×7	340	0.08	8	4800	CAYAC277M0JO063070
6.3(7.2)	270	8×8	340	0.08	8	5600	CAYAC277M0JO080080
6.3(7.2)	270	8×11	340	0.08	8	6150	CAYAC277M0JO080110
6.3(7.2)	330	5×9	416	0.08	10	4150	CAYAC337M0JO050090
6.3(7.2)	330	5×11	416	0.08	10	4500	CAYAC337M0JO050110
6.3(7.2)	330	6.3×7	416	0.08	8	4800	CAYAC337M0JO063070
6.3(7.2)	330	8×8	416	0.08	8	5600	CAYAC337M0JO080080
6.3(7.2)	330	8×11	416	0.08	8	6150	CAYAC337M0JO080110
6.3(7.2)	390	6.3×7	491	0.08	8	4800	CAYAC397M0JO063070
6.3(7.2)	390	6.3×9	491	0.08	8	5250	CAYAC397M0JO063090
6.3(7.2)	390	8×8	491	0.08	8	5600	CAYAC397M0JO080080
6.3(7.2)	390	8×11	491	0.08	8	6150	CAYAC397M0JO080110
6.3(7.2)	470	6.3×9	592	0.08	8	5250	CAYAC477M0JO063090
6.3(7.2)	470	6.3×10	592	0.08	8	5500	CAYAC477M0JO063100
6.3(7.2)	470	8×8	592	0.08	8	5600	CAYAC477M0JO080080
6.3(7.2)	470	8×11	592	0.08	8	6150	CAYAC477M0JO080110
6.3(7.2)	560	6.3×9	706	0.08	8	5250	CAYAC567M0JO063090
6.3(7.2)	560	8×8	706	0.08	8	5600	CAYAC567M0JO080080
6.3(7.2)	560	8×11	706	0.08	8	6150	CAYAC567M0JO080110
6.3(7.2)	680	6.3×10	857	0.08	8	5500	CAYAC687M0JO063100
6.3(7.2)	680	8×8	857	0.08	8	5600	CAYAC687M0JO080080
6.3(7.2)	680	8×11	857	0.08	8	6150	CAYAC687M0JO080110
6.3(7.2)	680	10×12	857	0.08	8	6640	CAYAC687M0JO100120
6.3(7.2)	820	8×11	1033	0.08	8	6150	CAYAC827M0JO080110
6.3(7.2)	820	10×12	1033	0.08	8	6640	CAYAC827M0JO100120
6.3(7.2)	1000	8×11.5	1260	0.08	8	6150	CAYAC108M0JO080115
6.3(7.2)	1000	10×12	1260	0.08	8	6640	CAYAC108M0JO100120
6.3(7.2)	1200	8×11	1512	0.08	8	6150	CAYAC128M0JO080110
6.3(7.2)	1200	10×12	1512	0.08	8	6640	CAYAC128M0JO100120
6.3(7.2)	1500	10×12	1890	0.09	8	6640	CAYAC158M0JO100120
6.3(7.2)	2000	10×12	2520	0.10	8	6640	CAYAC208M0JO100120
6.3(7.2)	2200	10×12	2772	0.10	8	6640	CAYAC228M0JO100120
6.3(7.2)	2500	10×12	3150	0.11	8	6640	CAYAC258M0JO100120

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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
7.5(8.6)	270	5×7	405	0.08	12	3400	CAYAC277M0MO050070
7.5(8.6)	330	5×9	495	0.08	12		CAYAC337M0MO050090
7.5(8.6)	390	5×10	585	0.08	10	4350	CAYAC397M0MO050100
7.5(8.6)	470	5×11	705	0.08	10	4500	CAYAC477M0MO050110
7.5(8.6)	680	6.3×9	1020	0.08	9	5000	CAYAC687M0MO063090
7.5(8.6)	680	6.3×11	1020	0.08	8	5700	CAYAC687M0MO063110
7.5(8.6)	1000	8×11	1500	0.08	8	6150	CAYAC108M0MO080110
10(11.5)	33	6.3×5	280	0.08	30	2200	CAYAC336M1AO063050
10(11.5)	39	6.3×5	280	0.08	30	2200	CAYAC396M1AO063050
10(11.5)	47	6.3×7	280	0.08	12	3900	CAYAC476M1AO063070
10(11.5)	68	6.3×7	280	0.08	12	3900	CAYAC686M1AO063070
10(11.5)	82	6.3×7	280	0.08	12	3900	CAYAC826M1AO063070
10(11.5)	100	6.3×7	280	0.08	12	3900	CAYAC107M1AO063070
10(11.5)	100	5×7	280	0.08	15	3050	CAYAC107M1AO050070
10(11.5)	150	5×11	300	0.08	12	4100	CAYAC157M1AO050110
10(11.5)	150	6.3×7	300	0.08	12	3900	CAYAC157M1AO063070
10(11.5)	180	5×11	360	0.08	12	4100	CAYAC187M1AO050110
10(11.5)	180	6.3×9	360	0.08	12	4300	CAYAC187M1AO063090
10(11.5)	180	8×8	360	0.08	10	5100	CAYAC187M1AO080080
10(11.5)	180	8×11	360	0.08	9	5800	CAYAC187M1AO080110
10(11.5)	220	6.3×9	440	0.08	12	4300	CAYAC227M1AO063090
10(11.5)	220	8×8	440	0.08	10	5100	CAYAC227M1AO080080
10(11.5)	220	8×11	440	0.08	9	5800	CAYAC227M1AO080110
10(11.5)	270	6.3×9	540	0.08	12	4300	CAYAC277M1AO063090
10(11.5)	270	6.3×11	540	0.08	9	5400	CAYAC277M1AO063110
10(11.5)	270	8×8	540	0.08	10	5100	CAYAC277M1AO080080
10(11.5)	270	8×11	540	0.08	9	5800	CAYAC277M1AO080110
10(11.5)	330	6.3×11	660	0.08	9	5400	CAYAC337M1AO063110
10(11.5)	330	8×8	660	0.08	10	5100	CAYAC337M1AO080080
10(11.5)	330	8×11	660	0.08	9	5800	CAYAC337M1AO080110
10(11.5)	390	6.3×11	780	0.08	9	5400	CAYAC397M1AO063110
10(11.5)	390	8×8	780	0.08	10	5100	CAYAC377M1AO080080
10(11.5)	390	8×11	780	0.08	9	5800	CAYAC397M1AO080110
10(11.5)	470	6.3×11	940	0.08	9	5400	CAYAC477M1AO063110
10(11.5)	470	8×8	940	0.08	10	5100	CAYAC477M1AO080080
10(11.5)	470	8×11	940	0.08	9	5800	CAYAC477M1AO080110
10(11.5)	560	8×11	1120	0.08	9	5800	CAYAC567M1AO080110
10(11.5)	680	8×11	1360	0.08	9	5800	CAYAC687M1AO080110
10(11.5)	680	10×12	1360	0.08	9	6300	CAYAC687M1AO100120
10(11.5)	820	10×12	1640	0.08	9	6300	CAYAC827M1AO100120
10(11.5)	1000	10×12	2000	0.08	9	6300	CAYAC108M1AO100120
10(11.5)	1200	10×12	2400	0.08	9	6300	CAYAC128M1AO100120
10(11.5)	1500	10×12	3000	0.08	9	6300	CAYAC158M1AO100120

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

Rated Voltag (Surge Voltage) (V)	Capacitance (μF)	Size ΦD×L(mm)	L.C (μA,2 min)	Tanδ 120Hz	ESR	Ripple current	Part number
16(18.4)	22	6.3×7	280	0.08	15	3500	CAYAC226M1CO063070
16(18.4)	33	6.3×7	280	0.08	15	3500	CAYAC336M1CO063070
16(18.4)	47	6.3×7	280	0.08	15	3500	CAYAC476M1CO063070
16(18.4)	68	6.3×7	280	0.08	15	3500	CAYAC686M1CO063070
16(18.4)	82	6.3×7	280	0.08	15	3500	CAYAC826M1CO063070
16(18.4)	100	6.3×7	320	0.08	15	3500	CAYAC107M1CO063070
16(18.4)	100	6.3×11	320	0.08	10	5100	CAYAC107M1CO063110
16(18.4)	100	8×11	320	0.08	10	5500	CAYAC107M1CO080070
16(18.4)	150	6.3×10	480	0.08	10	4900	CAYAC157M1CO063100
16(18.4)	150	8×8	480	0.08	12	4500	CAYAC187M1CO080080
16(18.4)	180	6.3×7	576	0.08	15	3500	CAYAC187M1CO063070
16(18.4)	180	6.3×11	576	0.08	10	5100	CAYAC187M1CO063110
16(18.4)	180	8×8	576	0.08	12	4500	CAYAC187M1CO080080
16(18.4)	180	8×11	576	0.08	10	5500	CAYAC187M1CO080110
16(18.4)	220	6.3×10	704	0.08	10	4900	CAYAC227M1CO063110
16(18.4)	220	8×8	704	0.08	12	4500	CAYAC227M1CO080080
16(18.4)	220	8×11	704	0.08	10	5500	CAYA277M1CO080110
16(18.4)	270	6.3×10	864	0.08	10	4900	CAYAC277M1CO063110
16(18.4)	270	8×8	864	0.08	12	4500	CAYAC277M1CO080080
16(18.4)	270	8×11	864	0.08	10	5500	CAYAC277M1CO080110
16(18.4)	270	10×12	864	0.08	10	6000	CAYAC277M1CO100120
16(18.4)	330	8×8	1056	0.08	12	4500	CAYAC337M1CO080080
16(18.4)	330	8×11	1056	0.08	10	5500	CAYAC337M1CO080110
16(18.4)	330	10×12	1056	0.08	10	6000	CAYAC337M1CO100120
16(18.4)	390	8×8	1248	0.08	12	4500	CAYAC397M1CO080080
16(18.4)	390	8×11	1248	0.08	10	5500	CAYAC397M1CO080110
16(18.4)	390	10×12	1248	0.08	10	6000	CAYAC397M1CO100120
16(18.4)	470	8×11	1504	0.08	10	5500	CAYAC477M1CO080110
16(18.4)	470	10×12	1504	0.08	10	6000	CAYAC477M1CO080120
16(18.4)	560	8×11	1792	0.08	10	5500	CAYAC567M1CO080110
16(18.4)	560	10×12	1792	0.08	10	6000	CAYAC567M1CO100120
16(18.4)	680	10×12	2176	0.08	10	6000	CAYAC687M1CO100120
16(18.4)	820	10×12	2624	0.08	10	6000	CAYAC827M1CO100120
16(18.4)	1000	10×12	3200	0.08	10	6000	CAYAC108M1CO100120
16(18.4)	1000	8×16	3200	0.08	8	7100	CAYAC108M1CO080160
25(28.8)	10	6.3×7	280	0.08	16	3400	CAYAC106M1EO063070
25(28.8)	15	6.3×7	280	0.08	16	3400	CAYAC156M1EO063070
25(28.8)	22	6.3×7	280	0.08	16	3400	CAYAC226M1EO063070
25(28.8)	22	6.3×9	280	0.08	16	3750	CAYAC226M1EO063090
25(28.8)	33	6.3×9	280	0.08	16	3750	CAYAC336M1EO063090
25(28.8)	39	6.3×9	280	0.08	16	3750	CAYAC396M1EO063090
25(28.8)	39	8×8	280	0.08	16	3900	CAYAC396M1EO080080
25(28.8)	39	8×11	280	0.08	16	4400	CAYAC396M1EO080110

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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
25(28.8)	47	6.3×11	280	0.08	20	3650	CAYAC476M1EO063110
25(28.8)	47	8×8	280	0.08	16	3900	CAYAC476M1EO080080
25(28.8)	47	8×11	280	0.08	16	4400	CAYAC476M1EO080110
25(28.8)	68	8×8	340	0.08	16	3900	CAYAC686M1EO080080
25(28.8)	68	8×11	340	0.08	16	4400	CAYAC686M1EO080110
25(28.8)	82	8×8	410	0.08	16	3900	CAYAC826M1EO080080
25(28.8)	82	8×11	410	0.08	16	4400	CAYAC826M1EO080110
25(28.8)	100	8×11	500	0.08	16	4400	CAYAC107M1EO080110
25(28.8)	100	10×12	500	0.08	16	4700	CAYAC107M1EO100120
25(28.8)	150	8×11	750	0.08	16	4400	CAYAC157M1EO080110
25(28.8)	150	10×12	750	0.08	16	4700	CAYAC157M1EO100120
25(28.8)	180	8×11	900	0.08	16	4400	CAYAC187M1EO080110
25(28.8)	180	10×12	900	0.08	16	4700	CAYAC187M1EO100120
25(28.8)	220	8×11	1100	0.08	16	4400	CAYAC227M1EO080110
25(28.8)	220	10×12	1100	0.08	16	4700	CAYAC227M1EO100120
25(28.8)	270	8×11	1350	0.08	16	4400	CAYAC277M1EO080110
25(28.8)	270	10×12	1350	0.08	16	4700	CAYAC277M1EO100120
25(28.8)	330	10×12	1650	0.08	16	4700	CAYAC337M1EO100120
25(28.8)	390	10×12	1950	0.08	16	4700	CAYAC397M1EO100120
25(28.8)	470	10×12	2350	0.08	16	4700	CAYAC477M1EO100120
25(28.8)	560	10×12	2800	0.08	16	4700	CAYAC567M1EO100120
25(28.8)	680	8×16	3400	0.08	16	5050	CAYAC687M1EO080160
25(28.8)	820	10×12	4100	0.08	16	4700	CAYAC827M1EO100120
25(28.8)	1000	10×16	5000	0.08	16	5300	CAYAC108M1EO100160

PART NUMBER EXAMPLE

