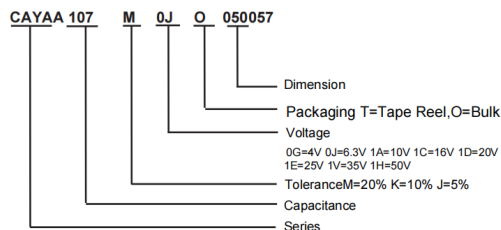


CAYAE *Upgrade!*

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



PART NUMBER EXAMPLE

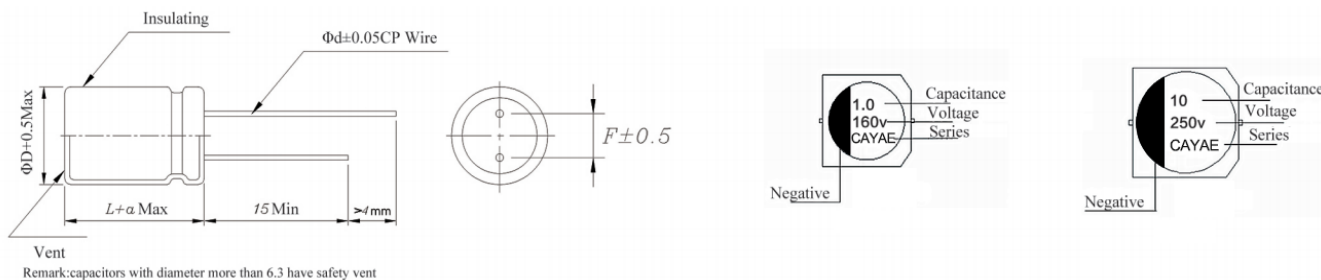


■ Specification

Items	Characteristics	
Operation Temperature Range	-55°C~+105°C	
Rated Voltage	125~250V	
Capacitance Range	1.0~82μF 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 at 105°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 %RH 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	12.5
d(±0.05)	0.45/0.50	0.45/0.50	0.6	0.6	0.6
F(±0.5)	2.0	2.5	3.5	5.0	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 Voltag (Surge Voltage) (V)	Capacitance (μF)	Size ΦD×L(mm)	L.C (μA,2 min)	Tanδ 120Hz	ESR	Ripple current	Part number
125(144)	1.5	6.3×5.7	300	0.12	400	1200	CAYAE155M2QO063057
125(144)	2.2	6.3×5.7	300	0.12	400	1200	CAYAE225M2QO063057
125(144)	2.7	6.3×7	300	0.12	350	1550	CAYAE275M2QO063070
125(144)	3.3	6.3×7	300	0.12	350	1550	CAYAE335M2QO063070
125(144)	4.7	6.3×9	300	0.12	250	1700	CAYAE475M2QO063090
125(144)	4.7	8×6.2	300	0.12	200	1250	CAYAE475M2QO080062
125(144)	5.6	6.3×9	300	0.12	250	1700	CAYAE565M2QO063090
125(144)	5.6	8×7	300	0.12	200	1450	CAYAE565M2QO080070
125(144)	6.8	6.3×11	300	0.12	200	1850	CAYAE685M2QO063110
125(144)	6.8	8×8	300	0.12	200	1450	CAYAE685M2QO080080
125(144)	8.2	6.3×11	300	0.12	200	1850	CAYAE825M2QO063110
125(144)	8.2	8×9	300	0.12	80	1800	CAYAE825M2QO080090
125(144)	10	8×9	300	0.12	80	1800	CAYAE106M2QO080090
125(144)	12	8×11.5	300	0.12	80	1980	CAYAE126M2QO080120
125(144)	12	10×7	300	0.12	100	1500	CAYAE126M2QO100070
125(144)	15	8×11.5	375	0.12	80	1980	CAYAE156M2QO080115
125(144)	15	10×9	375	0.12	80	1950	CAYAE156M2QO100090
125(144)	18	8×13	450	0.12	80	2100	CAYAE186M2QO080130
125(144)	18	10×10	450	0.12	80	2050	CAYAE186M2QO100100
125(144)	22	8×15	550	0.12	60	2550	CAYAE226M2QO080150
125(144)	22	10×11	550	0.12	80	2100	CAYAE226M2QO100110
125(144)	27	8×16	675	0.12	60	2600	CAYAE276M2QO080160
125(144)	27	10×13	675	0.12	80	2200	CAYAE276M2QO100130
125(144)	33	10×16	825	0.12	60	2700	CAYAE336M2QO100160
125(144)	39	10×17	975	0.12	60	2700	CAYAE396M2QO100170
125(144)	39	12.5×12.5	975	0.12	80	2350	CAYAE396M2QO125125
125(144)	47	10×18	1175	0.12	60	2800	CAYAE476M2QO100180
125(144)	47	12.5×14	1175	0.12	80	2450	CAYAE476M2QO125140
125(144)	56	10×21	1400	0.12	60	3000	CAYAE566M2QO100210
125(144)	56	12.5×16	1400	0.12	60	3000	CAYAE566M2QO125160
125(144)	68	12.5×18	1700	0.12	60	3200	CAYAE686M2QO125180
125(144)	82	12.5×20	2050	0.12	60	3350	CAYAE826M2QO125200
160(184)	1	5×5	300	0.12	500	1200	CAYAE105M2CO050050
160(184)	1.2	5×5	300	0.12	500	1200	CAYAE125M2CO050050
160(184)	1.5	6.3×5.7	300	0.12	400	1200	CAYAE155M2CO063057
160(184)	2.2	6.3×7	300	0.12	350	1400	CAYAE225M2CO063070
160(184)	3.3	6.3×9	300	0.12	250	1700	CAYAE335M2CO063090
160(184)	3.3	8×7	300	0.12	200	1450	CAYAE335M2CO080070
160(184)	4.7	6.3×11	300	0.12	200	1850	CAYAE475M2CO063110
160(184)	4.7	8×8	300	0.12	150	1500	CAYAE475M2CO080080
160(184)	5.6	6.3×11	300	0.12	200	1850	CAYAE565M2CO063110
160(184)	5.6	8×7	300	0.12	200	1450	CAYAE565M2CO080070
160(184)	6.8	6.3×11	300	0.12	200	1850	CAYAE685M2CO063110

CAYAE Upgrade!

■ **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
160(184)	6.8	8×9	300	0.12	80	1800	CAYAE685M2CO080090
160(184)	8.2	8×9	300	0.12	80	1800	CAYAE825M2CO080090
160(184)	8.2	10×7	300	0.12	100	1500	CAYAE825M2CO100070
160(184)	10	8×11.5	320	0.12	80	1980	CAYAE106M2CO080115
160(184)	10	10×9	320	0.12	80	1950	CAYAE106M2CO100090
160(184)	12	8×11.5	384	0.12	80	1980	CAYAE126M2CO080115
160(184)	12	10×9	384	0.12	80	1950	CAYAE126M2CO100090
160(184)	15	8×13	480	0.12	80	2100	CAYAE156M2CO080130
160(184)	15	10×10	480	0.12	80	2100	CAYAE156M2CO100100
160(184)	18	8×15	576	0.12	60	2550	CAYAE186M2CO080150
160(184)	18	10×11	576	0.12	80	2100	CAYAE186M2CO100110
160(184)	22	8×17	704	0.12	60	2650	CAYAE226M2CO080170
160(184)	22	10×13	704	0.12	80	2200	CAYAE226M2CO100130
160(184)	27	8×17	864	0.12	60	2650	CAYAE276M2CO080170
160(184)	27	10×15	864	0.12	60	2700	CAYAE276M2CO100150
160(184)	33	10×17	1056	0.12	60	2750	CAYAE336M2CO100170
160(184)	39	10×18	1248	0.12	60	2800	CAYAE396M2CO100180
160(184)	39	12.5×14	1248	0.12	80	2450	CAYAE396M2CO125140
160(184)	47	12.5×16	1504	0.12	80	2600	CAYAE476M2CO125160
160(184)	56	12.5×18	1792	0.12	60	3200	CAYAE566M2CO125180
160(184)	68	12.5×20	2176	0.12	60	3350	CAYAE686M2CO125200
200(230)	1	6.3 × 5.7	300	0.12	400	1200	CAYAE105M2DO063057
200(230)	1.5	6.3×7	300	0.12	350	1400	CAYAE155M2DO063070
200(230)	2.2	6.3×9	300	0.12	250	1700	CAYAE225M2DO063090
200(230)	3.3	8×7	300	0.12	200	1450	CAYAE335M2DO080070
200(230)	3.9	8×9	300	0.12	100	1450	CAYAE395M2DO080090
200(230)	4.7	8×9	300	0.12	80	1800	CAYAE475M2DO080090
200(230)	4.7	10×7	300	0.12	100	1500	CAYAE475M2DO100070
200(230)	5.6	8×11.5	300	0.12	80	1980	CAYAE565M2DO080115
200(230)	6.8	8×11.5	300	0.12	80	1980	CAYAE685M2DO080115
200(230)	6.8	10×9	300	0.12	80	1950	CAYAE685M2DO100090
200(230)	8.2	8×14	328	0.12	80	2150	CAYAE825M2DO080140
200(230)	8.2	10×9	328	0.12	80	1950	CAYAE825M2DO100090
200(230)	10	8×16	400	0.12	60	2600	CAYAE106M2DO080160
200(230)	10	10×12	400	0.12	80	2150	CAYAE106M2DO100120
200(230)	15	10×13	600	0.12	80	2200	CAYAE156M2DO100130
200(230)	18	10×16	720	0.12	60	2700	CAYAE186M2DO100160
200(230)	18	12.5×12.5	720	0.12	60	2700	CAYAE186M2DO125125
200(230)	22	12.5×14	880	0.12	80	2450	CAYAE226M2DO125140
250(288)	4.7	8×11.5	300	0.12	80	1980	CAYAE475M2EO080115
250(288)	6.8	8×14	340	0.12	80	2150	CAYAE685M2EO080140
250(288)	6.8	10×11	340	0.12	80	2150	CAYAE685M2EO100110
250(288)	8.2	8×16	410	0.12	60	2600	CAYAE825M2EO080160
250(288)	8.2	10×12	410	0.12	80	2150	CAYAE825M2EO100120
250(288)	10	10×12	500	0.12	80	2150	CAYAE106M2EO100120