

# CAYAF Upgrade!



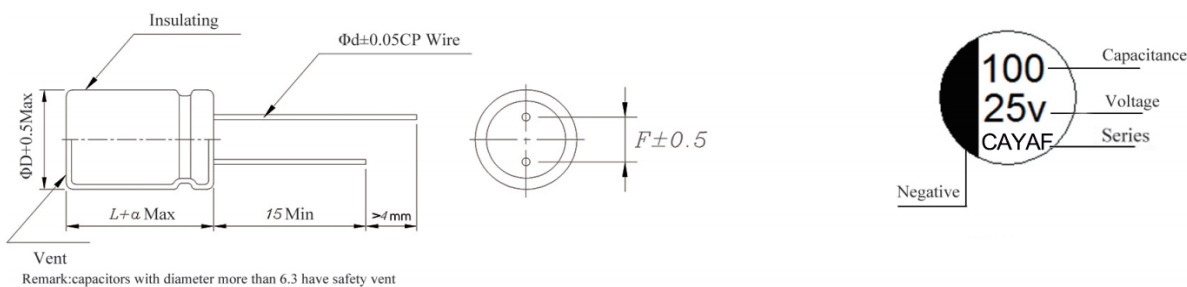
- ◆ 105°C 2000 Hours
- ◆ Diameter 3.55mm/4mm
- ◆ High Stability, Low ESR, High Frequency
- ◆ RoHS Compliant (2011/65/EU)

## ■ Specification

Items	Characteristics	
<b>Operation Temperature Range</b>	-55°C~+105°C	
<b>Rated Voltage</b>	6.3~100V	
<b>Capacitance Range</b>	1.2~270μF 120Hz/20°C	
<b>Capacitance Tolerance</b>	±20%(120Hz/20°C)	
<b>Dissipation Factor</b>	Less than standard data 120Hz/20°C	
<b>Leakage Current</b>	Less than standard data charging 2mins with rated voltage, 20°C	
<b>ESR</b>	Less than standard data 100KHz/20°C	
<b>Endurance</b>	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
<b>Humidity</b>	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



<b>D(±0.5)</b>	3.55x5.7	4x5.7	3.55x7	4x7	3.55x11	4x11
<b>d(±0.05)</b>	0.40	0.50	0.40	0.50	0.40	0.50
<b>F(±0.5)</b>	1.5					
	+0.3		+0.5		+1.0	

## ■ Rated Ripple Current Frequency Correction Factor

Frequency (Hz)	120Hz	1KHz	10KHz	100KHz	300KHz
<b>Correction factor</b>	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)	82	3.55×5.7	300	0.12	100	450	CAYAF826M0JO035057
6.3(7.2)	100	4×5.7	300	0.12	100	650	CAYAF107M0JO040057
6.3(7.2)	120	3.55×7	300	0.12	100	650	CAYAF127M0JO035070
6.3(7.2)	150	4×7	300	0.12	100	850	CAYAF157M0JO040070
6.3(7.2)	220	3.55×11	300	0.12	60	950	CAYAF227M0JO035110
6.3(7.2)	270	4×11	415	0.12	60	1250	CAYAF227M0JO040110
10(11.5)	47	3.55×5.7	300	0.12	100	450	CAYAF476M1AO035057
10(11.5)	68	3.55×7	300	0.12	100	650	CAYAF686M1AO035057
10(11.5)	68	4×5.7	300	0.12	100	650	CAYAF686M1AO040057
10(11.5)	100	4×7	300	0.12	100	850	CAYAF107M1AO040070
10(11.5)	120	3.55×11	300	0.12	60	950	CAYAF127M1AO035110
10(11.5)	180	4×11	440	0.12	60	1250	CAYAF187M1AO040110
16(18.4)	27	3.55×5.7	300	0.12	100	450	CAYAF276M1CO035057
16(18.4)	39	3.55×7	300	0.12	100	650	CAYAF396M1CO035070
16(18.4)	39	4×5.7	300	0.12	100	650	CAYAF396M1CO040057
16(18.4)	56	4×7	300	0.12	100	850	CAYAF566M1CO040070
16(18.4)	68	3.55×11	300	0.12	60	950	CAYAF686M1CO035110
16(18.4)	100	4×11	384	0.12	60	1250	CAYAF107M1CO040110
25(28.8)	15	3.55×5.7	300	0.12	100	350	CAYAF156M1EO035057
25(28.8)	22	3.55×7	300	0.12	100	500	CAYAF226M1EO035070
25(28.8)	22	4×5.7	300	0.12	100	500	CAYAF226M1EO040057
25(28.8)	33	4×7	300	0.12	100	650	CAYAF336M1EO040070
25(28.8)	47	3.55×11	300	0.12	100	750	CAYAF476M1EO035110
25(28.8)	68	4×11	340	0.12	100	950	CAYAF686M1EO040110
35(41)	12	3.55×5.7	300	0.12	100	350	CAYAF126M1VO035057
35(41)	18	3.55×7	300	0.12	100	500	CAYAF186M1VO035070
35(41)	18	4×5.7	300	0.12	100	500	CAYAF186M1VO040057
35(41)	22	4×7	300	0.12	100	650	CAYAF226M1VO040070
35(41)	33	3.55×11	300	0.12	100	750	CAYAF336M1VO035110
35(41)	56	4×11	329	0.12	100	950	CAYAF566M1VO040110
50(58)	4.7	3.55×5.7	300	0.12	100	350	CAYAF475M1HO035057
50(58)	6.8	3.55×7	300	0.12	100	500	CAYAF685M1HO035070
50(58)	6.8	4×5.7	300	0.12	100	500	CAYAF685M1HO040057
50(58)	12	3.55×11	300	0.12	100	750	CAYAF126M1HO035110
50(58)	10	4×7	300	0.12	100	650	CAYAF106M1HO040070
50(58)	22	4×11	300	0.12	100	950	CAYAF426M1HO040110
63(73)	3.9	3.55×5.7	300	0.12	100	350	CAYAF395M1JO035057
63(73)	5.6	3.55×7	300	0.12	100	500	CAYAF565M1JO035070
63(73)	5.6	4×5.7	300	0.12	100	500	CAYAF565M1JO040057
63(73)	8.2	4×7	300	0.12	100	650	CAYAF825M1JO040070
63(73)	10	3.55×11	300	0.12	100	750	CAYAF106M1JO035110
63(73)	15	4×11	300	0.12	100	950	CAYAF156M1JO040110
80(92)	2.2	3.55×5.7	300	0.12	100	350	CAYAF225M1KO035057

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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
80(92)	3.3	3.55×7	300	0.12	100	500	CAYAF335M1KO035070
80(92)	2.7	4×5.7	300	0.12	100	500	CAYAF275M1KO040057
80(92)	4.7	4×7	300	0.12	100	650	CAYAF475M1KO040070
80(92)	5.6	3.55×11	300	0.12	100	750	CAYAF565M1KO035110
80(92)	8.2	4×11	300	0.12	100	950	CAYAF825M1KO040110
100(115)	1.2	3.55×5.7	300	0.12	100	350	CAYAF125M2AO035057
100(115)	1.8	3.55×7	300	0.12	100	500	CAYAF185M2AO035070
100(115)	1.8	4×5.7	300	0.12	100	500	CAYAF185M2AO040057
100(115)	2.2	4×7	300	0.12	100	650	CAYAF225M2AO040070
100(115)	3.3	3.55×11	300	0.12	100	750	CAYAF335M2AO035110
100(115)	4.7	4×11	300	0.12	100	950	CAYAF475M2AO040110

**PART NUMBER EXAMPLE**

