

# CAYAD Upgrade!



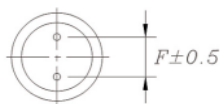
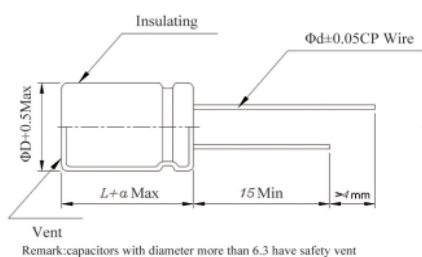
- ◆ 105°C 2000 Hours
- ◆ High Capacitance, Miniature Size
- ◆ High Stability, Low ESR, High Frequency
- ◆ RoHS Compliant (2011/65/EU)

## ■ Specification

Items	Characteristics	
Operation Temperature Range	-55°C~+105°C	
Rated Voltage	6.3~100V	
Capacitance Range	180~18000μF 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 200% of the specified value
	Dissipation Factor	Not more than 200% 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 200% of the specified value
	Dissipation Factor	Not more than 200% of the specified value
	Leakage current	Not more than the specified value

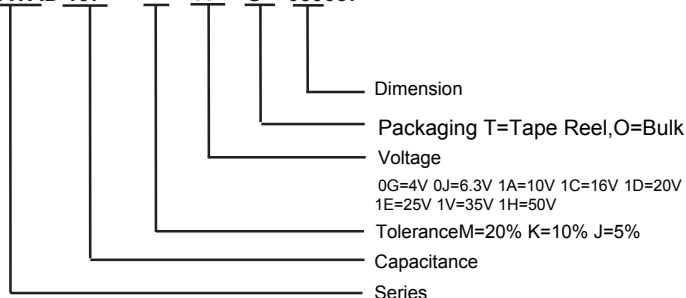
If you have question for leakage current, please apply rated voltage on capacitors at 105°C for 2hours, then test the leakage current again at 20°C.

## ■ Standard Size



## PART NUMBER EXAMPLE

CAYAD 107 M 0J O 050057



D(±0.5)	16	18
d(±0.05)	0.8	0.8
F(±0.5)	7.5	7.5
	+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)	ΦD×L(mm)	L.C (μA,2 min)	Tanδ 120Hz	ESR	Ripple current	Part number
6.3(7.2)	10000	16×16	7500	0.30	7	9200	CAYAD109M0JO160160
6.3(7.2)	12000	16×18	7500	0.34	7	9650	CAYAD129M0JO160180
6.3(7.2)	15000	16×20	7500	0.40	7	9950	CAYAD159M0JO160200
6.3(7.2)	15000	18×18	7500	0.40	7	9650	CAYAD159M0JO180180
6.3(7.2)	18000	18×20	7500	0.46	7	9950	CAYAD189M0JO180200
10(11.5)	6800	16×16	7500	0.24	8	8600	CAYAD688M1AO160160
10(11.5)	8200	16×18	7500	0.26	8	9000	CAYAD828M1AO160180
10(11.5)	10000	16×20	7500	0.30	8	9300	CAYAD109M1AO160200
10(11.5)	10000	18×18	7500	0.30	8	9000	CAYAD109M1AO180180
10(11.5)	12000	18×20	7500	0.34	8	9300	CAYAD129M1AO180200
16(18.4)	3900	16×16	7500	0.18	8	8600	CAYAD398M1CO160160
16(18.4)	4700	16×18	7500	0.19	8	9000	CAYAD478M1CO160180
16(18.4)	5600	16×20	7500	0.21	8	9300	CAYAD568M1CO160200
16(18.4)	6800	18×18	7500	0.24	8	9000	CAYAD688M1CO180180
16(18.4)	8200	18×20	7500	0.26	8	9300	CAYAD828M1CO180200
25(28.8)	2200	16×16	7500	0.14	16	6000	CAYAD228M1EO160160
25(28.8)	2700	16×18	7500	0.15	16	6400	CAYAD278M1EO160180
25(28.8)	3300	16×20	7500	0.17	16	6550	CAYAD338M1EO160200
25(28.8)	3900	18×18	7500	0.18	16	6400	CAYAD388M1EO180180
25(28.8)	4700	18×20	7500	0.19	16	6550	CAYAD478M1EO180200
35(41)	1800	16×16	7500	0.14	20	5450	CAYAD188M1VO160160
35(41)	2200	16×18	7500	0.14	20	5700	CAYAD228M1VO160180
35(41)	2700	16×20	7500	0.15	20	5950	CAYAD278M1VO160200
35(41)	2700	18×18	7500	0.15	20	5700	CAYAD278M1VO180180
35(41)	3300	18×20	7500	0.17	20	5950	CAYAD338M1VO160200
50(58)	680	16×16	6800	0.12	30	4400	CAYAD687M1HO160160
50(58)	820	16×18	7500	0.12	30	4650	CAYAD827M1HO160180
50(58)	1000	16×20	7500	0.12	30	4800	CAYAD108M1HO160200
50(58)	1200	18×18	7500	0.12	30	4650	CAYAD128M1HO180180
50(58)	1500	18×20	7500	0.13	30	4800	CAYAD158M1HO180200
63(73)	560	16×16	7056	0.12	30	4400	CAYAD567M1JO160160
63(73)	680	16×18	7500	0.12	30	4650	CAYAD687M1JO160180
63(73)	820	16×20	7500	0.12	30	4800	CAYAD827M1JO160200
63(73)	820	18×18	7500	0.12	30	4650	CAYAD827M1JO180180
63(73)	1000	18×20	7500	0.12	30	4800	CAYAD108M1JO180200
80(92)	330	16×16	5280	0.12	30	4400	CAYAD337M1KO160160
80(92)	390	16×18	6240	0.12	30	4650	CAYAD397M1KO160180
80(92)	470	16×20	7500	0.12	30	4800	CAYAD477M1KO160200
80(92)	560	18×18	7500	0.12	30	4650	CAYAD567M1KO180180
80(92)	680	18×20	7500	0.12	30	4800	CAYAD687M1KO180200
100(115)	180	16×16	3600	0.12	40	3850	CAYAD187M2AO160160
100(115)	220	16×18	4400	0.12	40	4000	CAYAD227M2AO160180
100(115)	270	16×20	5400	0.12	40	4150	CAYAD277M2AO160200
100(115)	270	18×18	5400	0.12	40	4000	CAYAD277M2AO180180
100(115)	330	18×20	6600	0.12	40	4150	CAYAD337M2AO180200