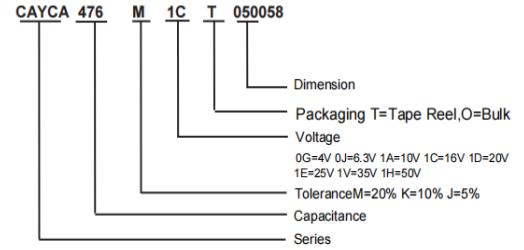


CAYCAA *Upgrade!*



PART NUMBER EXAMPLE



Improved From CAYCA Series With Less Size And Higher Capacitance High Reliability

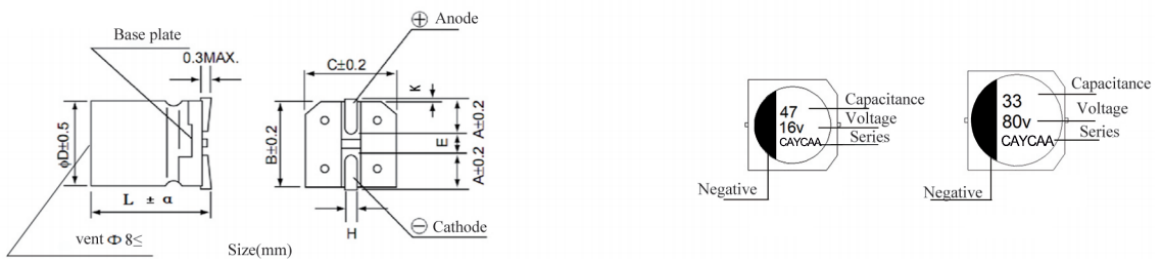
- ◆ 125°C 4000 Hours Low ESR, High Ripple Current
- SMD Type : High Temperature Reflow-Soldering
- ◆ RoHS Compliant (2011/65/EU)

■ Specification

Items	Characteristics	
Operation Temperature Range	-55°C~+125°C	
Rated Voltage	16-100V	
Capacitance Range	3.3~1200μ F 120Hz/20°C	
Capacitance Tolerance	±20%(120Hz/20°C)	
Dissipation Factor	Less than standard data 120Hz/20°C	
Leakage Current	I 0.01CV, charging 2 mins with rated voltage, 20°C	
ESR	Less than standard data 100KHz/20°C	
Temperature Characteristics	Z (-25°C)/Z (+20°C) 2.0 ; Z (-55°C)/Z (+20°C) 2.5 (100KHz)	
Endurance	After load rated voltage with rated ripple current for 4000hours at 125°C, the following specification shall be satisfied after placing capacitor for 16 hours at 20°C	
	Capacitance change	Within±30% of the initial value
	ESR	Not more than 300% of the specified value
	Dissipation Factor	Not more than 300% of the specified value
	Leakage current	Not more than the specified value
ShelfLife	After leaving capacitors under no load at 125°C for 1000 hours, then test at 20°C±2°C after 16 hours the following specification should be met:	
	Capacitance change	Within±30% of the initial value
	ESR	Not more than 300% of the specified value
	Dissipation Factor	Not more than 300% of the specified value
	Leakage current	Not more than the specified value
Humidity	Store the capacitor at 85°C under the condition of 85%RH with no load for 1000hrs, the following specifications shall be satisfied after placing capacitor for 16 hours at 20°C.	
	Capacitance change	Within±30% 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



D	B	C	A	H	E	K	
5	5.3	5.3	2.1	0.65±0.10	1.3	0.5MAX	±0.3
6.3	6.6	6.6	2.6	0.90±0.20	1.8	0.5MAX	
8	8.3	8.3	3.4	0.90±0.20	3.1	0.5MAX	
10	10.3	10.3	3.5	0.90±0.20	4.6	0.7±0.20	±0.5

■ Rated Ripple Current Frequency Correction Factor

Frequency (Hz)	120Hz	1KHz	10KHz	100KHz	300KHz
Correction factor	0.12	0.35	0.80	1.00	1.00

CAYCAA Upgrade!

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

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	Tan δ 120Hz	ESR	Ripple current	Part number
16(18.4)	82	5×5.8	0.12	80	850	CAYCAA826M1CT050058
16(18.4)	150	6.3×5.8	0.12	45	1400	CAYCAA157M1CT063058
16(18.4)	220	6.3×7.7	0.12	27	2000	CAYCAA227M1CT063077
16(18.4)	560	8×10.5	0.12	22	2200	CAYCAA567M1CT080105
16(18.4)	1000	10×10.5	0.12	18	2800	CAYCAA108M1CT100105
16(18.4)	1200	10×12.5	0.12	18	3100	CAYCAA128M1CT100125
16(18.4)	56	5×5.8	0.12	80	850	CAYCAA566M1ET050058
16(18.4)	100	6.3×5.8	0.12	50	1300	CAYCAA107M1ET063058
16(18.4)	180	6.3×7.7	0.12	30	1800	CAYCAA187M1ET063077
16(18.4)	330	8×10.5	0.12	27	2000	CAYCAA337M1ET080105
16(18.4)	560	10×10.5	0.12	20	2800	CAYCAA567M1ET100105
16(18.4)	820	10×12.5	0.12	16	3100	CAYCAA827M1ET100125
35(41)	39	5×5.8	0.12	100	750	CAYCAA396M1VT050058
35(41)	68	6.3×5.8	0.12	60	1200	CAYCAA686M1VT063058
35(41)	120	6.3×7.7	0.12	35	1800	CAYCAA127M1VT063077
35(41)	220	8×10.5	0.12	27	2000	CAYCAA227M1VT080105
35(41)	390	10×10.5	0.12	20	2800	CAYCAA397M1VT100105
35(41)	560	10×12.5	0.12	17	3000	CAYCAA567M1VT100125
50(58)	12	5×5.8	0.10	120	650	CAYCAA126M1HT050058
50(58)	22	6.3×5.8	0.10	80	1000	CAYCAA226M1HT063058
50(58)	33	6.3×7.7	0.10	40	1600	CAYCAA336M1HT063077
50(58)	82	8×10.5	0.10	30	1600	CAYCAA826M1HT080105
50(58)	150	10×10.5	0.10	25	1800	CAYCAA157M1HT100105
50(58)	220	10×12.5	0.10	19	2400	CAYCAA227M1HT100125
63(58)	8.2	5×5.8	0.10	120	650	CAYCAA825M1JT050058
63(73)	15	6.3×5.8	0.10	80	1000	CAYCAA156M1JT063058
63(73)	22	6.3×7.7	0.10	50	1500	CAYCAA226M1JT063077
63(73)	56	8×10.5	0.10	40	1400	CAYCAA566M1JT080105
63(73)	100	10×10.5	0.10	30	1500	CAYCAA107M1JT100105
63(73)	150	10×12.5	0.10	20	2200	CAYCAA157M1JT100125
80(92)	5.6	5×5.8	0.10	120	650	CAYCAA565M1KT050058
80(92)	10	6.3×5.8	0.10	80	1000	CAYCAA106M1KT063058
80(92)	15	6.3×7.7	0.10	50	1500	CAYCAA156M1KT063077
80(92)	39	8×10.5	0.10	40	1400	CAYCAA396M1KT080105
80(92)	68	10×10.5	0.10	30	1500	CAYCAA686M1KT100105
80(92)	82	10×12.5	0.10	20	2200	CAYCAA826M1KT100125
100(115)	3.3	5×5.8	0.10	120	650	CAYCAA335M2AT050058
100(115)	5.6	6.3×5.8	0.10	80	1000	CAYCAA565M2AT063058
100(115)	10	6.3×7.7	0.10	50	1500	CAYCAA106M2AT063077
100(115)	22	8×10.5	0.10	40	1400	CAYCAA226M2AT080105
100(115)	39	10×10.5	0.10	30	1500	CAYCAA396M2AT100105
100(115)	56	10×12.5	0.10	20	2200	CAYCAA566M2AT100125