

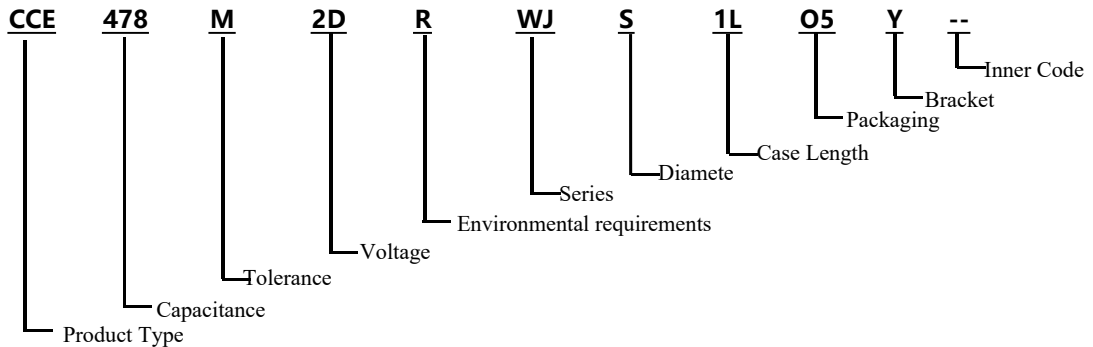
WJ Series

- 85°C 5000hours Screw type
- 85°C standard purpose product
- RoHS Requirements

Specification

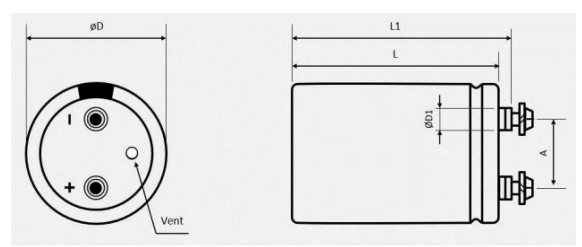
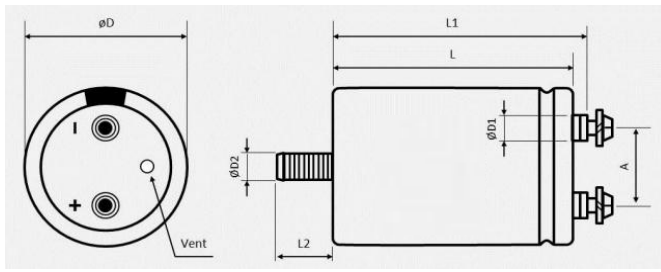
Item	Characteristics	
Rated Voltage Range	10~100V	160~500V
Operating Temperature Range	-40~+85°C	-25~+85°C
Capacitance Tolerance	±20% (M)	
Leakage Current(20°C)	I≤0.02CVμA or 5mA, whichever is smaller After 5 minutes at 20°C application of rated voltage, C: Nominal Capacitance (μF) V: Rated Voltage (V)	
Dissipation Factor (20°C,120Hz)	Less than values shown in the standard ratings	
Low Temperature Stability	Rated Voltage (V)	10~100 160~500
	Z-25°C/Z+20°C (120Hz)	/ 8
	Z-40°C/Z+20°C (120Hz)	15 /
Load Life	The capacitor is stored at a temperature of 85±2°C with DC bias voltage plus the rated ripple current for 5000+48/0 hours. (The sum of DC and ripple peak voltage shall not exceed the rated working voltage) Then the product should be tested after 16 hours recovering time at atmospheric conditions. The result should meet the following table:	
	Capacitance Change	Within ±20% of initial value
	Dissipation Factor	Not more than 200% of the specified value
	Leakage Current	Not more than the specified value
Shelf Life	The capacitors are then stored with no voltage applied at a temperature of 85±2°C for 1000+48/0 hours. Next they shall be connected to a series limiting resistor(1k±100Ω) with D.C. rated voltage applied for 60min, After which the capacitors shall be stored at room temperature for more than 24 hours before testing,The result should meet the following table:	
	Capacitance Change	Within ±20% of initial value
	Dissipation Factor	Not more than 175% of the specified value
	Leakage Current	Not more than the specified value
Ripple Current Coefficient	Freq.(Hz)	50/60 120 300 1K ≥10K
	Voltage(V)	<160V 0.80 1.00 1.08 1.15 1.15
		≥160V 0.80 1.00 1.08 1.15 1.20
	Ambient Temp(°C)	40 60 85
	Coefficient	1.89 1.67 1.00

Part Number System:



Dimensions:

				Unit: mm	
O Type Terminal	D Type Terminal	T Type Terminal	Sample	Screw type	Ring clip mounting
I Type (2-legs Bracket)		Y Type (3-legs Bracket)		Screw type	Threaded stud mounting
				Screw type Threaded stud mounting	
				Screw type Ring clip mounting	



Terminal	D±2	L±3	L1±3	D1±0.3	A±0.5	L2±1	D2	Min. Full Thread (mm)	Terminal type
M5	35	50~120	56.5~126.5	8	12.7	12	M8	8	O Type
M5	51	50~140	56.5~126.5	10	22	16	M8	8	O Type
M5	63.5	80~140	86.5~146.5	10	28.6	16	M8	8	O Type
M5	76	100~240	106.5~246.5	10	31.8	16	M12	12	O Type
M5	90	100~240	106.5~246.5	10	31.8	16	M12	12	O Type
M5	76	100~240	106.5~246.5	17.2	31.8	16	M12	12	D Type
M5	90	100~240	106.5~246.5	17.2	31.8	16	M12	12	D Type
M6	76	100~240	106.5~246.5	17.2	31.8	16	M12	12	D Type
M6	90	100~240	106.5~246.5	17.2	31.8	16	M12	12	D Type
M5	51	50~140	55.5~125.5	13(a=10)	28.6	16	M8	8	T Type
M5	63.5	80~140	86.5~146.5	15(a=10)	31.8	16	M12	12	T Type
M6	76	100~240	106.5~246.5	15(a=10)	31.8	16	M12	12	T Type

Specification Sheet

Rated voltage(V)	Capacitance (μF)	Case Size DxL(mm)	tan δ (120Hz, +20°C)	Leakage Current (μA)max	Ripple Current +85°C 120Hz (A rms)	P/N
10	47000	35x80	0.60	5,000.00	6.00	CCE479M1ARWJQ80**
10	68000	35x80	0.60	5,000.00	7.20	CCE689M1ARWJQ80**
10	100000	35x100	0.60	5,000.00	8.80	CCE10AM1ARWJQ1L**
10	150000	51x80	0.90	5,000.00	10.70	CCE15AM1ARWJS80**
10	220000	51x100	0.90	5,000.00	13.00	CCE22AM1ARWJS1L**
10	330000	63.5x100	0.90	5,000.00	15.90	CCE33AM1ARWJT1L**
10	470000	63.5x120	1.20	5,000.00	19.00	CCE47AM1ARWJTA2**
10	680000	76x120	1.60	5,000.00	22.80	CCE68AM1ARWJUA2**
10	1000000	90x170	2.00	5,000.00	27.70	CCE10BM1ARWJXA7**
10	1500000	90x220	2.00	5,000.00	33.90	CCE15BM1ARWJX2R**
16	47000	35x80	0.40	5,000.00	6.40	CCE479M1CRWJQ80**
16	68000	35x100	0.40	5,000.00	7.90	CCE689M1CRWJQ1L**
16	100000	35x120	0.60	5,000.00	10.60	CCE10AM1CRWJQA2**
16	150000	51x100	0.60	5,000.00	11.50	CCE15AM1CRWJS1L**
16	220000	51x120	0.80	5,000.00	15.60	CCE22AM1CRWJSA2**
16	330000	63.5x120	0.80	5,000.00	25.10	CCE33AM1CRWJTA2**
16	470000	76x120	1.10	5,000.00	30.50	CCE47AM1CRWJUA2**
16	680000	90x170	1.50	5,000.00	33.00	CCE68AM1CRWJXA7**
16	1000000	90x220	1.50	5,000.00	36.00	CCE10BM1CRWJX2R**
25	33000	35x80	0.40	5,000.00	6.20	CCE339M1ERWJQ80**
25	47000	35x100	0.40	5,000.00	8.20	CCE479M1ERWJQ1L**
25	68000	35x120	0.40	5,000.00	9.40	CCE689M1ERWJQA2**
25	100000	51x100	0.50	5,000.00	12.00	CCE10AM1ERWJS1L**
25	150000	51x120	0.50	5,000.00	15.30	CCE15AM1ERWJSA2**
25	220000	63.5x120	0.70	5,000.00	18.90	CCE22AM1ERWJTA2**
25	330000	76x120	0.80	5,000.00	24.80	CCE33AM1ERWJUA2**
25	470000	90x170	1.00	5,000.00	30.80	CCE47AM1ERWJXA7**
25	680000	90x220	1.00	5,000.00	33.30	CCE68AM1ERWJX2R**
35	33000	35x80	0.30	5,000.00	6.20	CCE339M1VRWJQ80**
35	47000	35x120	0.30	5,000.00	8.20	CCE479M1VRWJQA2**
35	68000	51x80	0.40	5,000.00	9.30	CCE689M1VRWJS80**
35	100000	51x120	0.40	5,000.00	13.60	CCE10AM1VRWJSA2**
35	150000	63.5x100	0.50	5,000.00	14.50	CCE15AM1VRWJT1L**
35	220000	76x100	0.70	5,000.00	16.80	CCE22AM1VRWJU1L**
35	330000	76x140	0.80	5,000.00	24.80	CCE33AM1VRWJUA4**
35	470000	90x170	0.90	5,000.00	32.60	CCE47AM1VRWJXA7**
35	680000	90x220	0.90	5,000.00	35.20	CCE68AM1VRWJX2R**
50	15000	35x80	0.30	5,000.00	5.40	CCE159M1HRWJQ80**
50	22000	35x100	0.30	5,000.00	6.10	CCE229M1HRWJQ1L**

50	33000	51x70	0.30	5,000.00	7.00	CCE339M1HRWJS70**
50	47000	51x90	0.30	5,000.00	8.60	CCE479M1HRWJS90**
50	68000	51x120	0.30	5,000.00	11.90	CCE689M1HRWJSA2**
50	100000	63.5x100	0.40	5,000.00	14.20	CCE10AM1HRWJT1L**
50	150000	76x120	0.60	5,000.00	18.60	CCE15AM1HRWJUA2**
50	220000	90x140	0.80	5,000.00	20.30	CCE22AM1HRWJXA4**
50	330000	90x170	0.80	5,000.00	25.30	CCE33AM1HRWJXA7**
50	470000	90x220	0.80	5,000.00	33.20	CCE47AM1HRWJX2R**
63	10000	35x80	0.30	5,000.00	4.10	CCE109M1JRWJQ80**
63	15000	35x100	0.30	5,000.00	5.50	CCE159M1JRWJQ1L**
63	22000	35x120	0.30	5,000.00	7.10	CCE229M1JRWJQA2**
63	33000	51x100	0.30	5,000.00	9.70	CCE339M1JRWJS1L**
63	47000	51x120	0.30	5,000.00	11.70	CCE479M1JRWJSA2**
63	68000	63.5x120	0.30	5,000.00	16.20	CCE689M1JRWJTA2**
63	100000	63.5x140	0.30	5,000.00	20.80	CCE10AM1JRWJTA4**
63	150000	90x140	0.60	5,000.00	26.60	CCE15AM1JRWJXA4**
63	220000	90x170	0.60	5,000.00	28.30	CCE22AM1JRWJXA7**
63	330000	90x220	0.60	5,000.00	31.20	CCE33AM1JRWJX2R**
80	10000	35x100	0.20	5,000.00	4.60	CCE109M1KRWJQ1L**
80	15000	35x120	0.20	5,000.00	6.00	CCE159M1KRWJQA2**
80	22000	51x100	0.20	5,000.00	7.20	CCE229M1KRWJS1L**
80	33000	51x120	0.60	5,000.00	9.20	CCE339M1KRWJSA2**
80	47000	63.5x120	0.30	5,000.00	13.80	CCE479M1KRWJTA2**
80	68000	63.5x140	0.30	5,000.00	15.50	CCE689M1KRWJTA4**
80	100000	90x140	0.40	5,000.00	23.40	CCE10AM1KRWJXA4**
80	150000	90x170	0.40	5,000.00	26.50	CCE15AM1KRWJXA7**
80	220000	90x220	0.40	5,000.00	28.90	CCE22AM1KRWJX2R**
100	4700	35x80	0.10	5,000.00	3.80	CCE478M2ARWJQ80**
100	6800	35x100	0.10	5,000.00	4.50	CCE688M2ARWJQ1L**
100	10000	51x80	0.20	5,000.00	5.40	CCE109M2ARWJS80**
100	15000	51x100	0.20	5,000.00	6.60	CCE159M2ARWJS1L**
100	22000	63.5x100	0.20	5,000.00	7.70	CCE229M2ARWJT1L**
100	33000	76x100	0.30	5,000.00	10.80	CCE339M2ARWJU1L**
100	47000	76x120	0.30	5,000.00	14.90	CCE479M2ARWJUA2**
100	68000	76x150	0.30	5,000.00	18.80	CCE689M2ARWJU1R**
100	100000	90x170	0.30	5,000.00	22.10	CCE10AM2ARWJXA7**
100	150000	90x220	0.30	5,000.00	27.00	CCE15AM2ARWJX2R**
160	2200	35x80	0.15	5,000.00	3.20	CCE228M2CRWJQ80**
160	3300	35x120	0.15	5,000.00	4.70	CCE338M2CRWJQA2**
160	4700	51x80	0.15	5,000.00	5.00	CCE478M2CRWJS80**
160	6800	51x100	0.15	5,000.00	6.40	CCE688M2CRWJS1L**
160	10000	63.5x100	0.20	5,000.00	9.10	CCE109M2CRWJT1L**
160	15000	76x100	0.20	5,000.00	12.00	CCE159M2CRWJU1L**
160	22000	76x140	0.20	5,000.00	16.90	CCE229M2CRWJUA4**
160	33000	90x140	0.20	5,000.00	19.20	CCE339M2CRWJXA4**
160	47000	90x170	0.20	5,000.00	20.60	CCE479M2CRWJXA7**
160	68000	90x220	0.20	5,000.00	22.30	CCE689M2CRWJX2R**
200	1500	35x80	0.15	5,000.00	2.90	CCE158M2DRWJQ80**
200	2200	35x100	0.15	5,000.00	3.50	CCE228M2DRWJQ1L**
200	3300	51x80	0.15	5,000.00	4.80	CCE338M2DRWJS80**
200	4700	51x100	0.15	5,000.00	6.30	CCE478M2DRWJS1L**
200	6800	63.5x115	0.20	5,000.00	7.35	CCE688M2DRWJT2A**
200	10000	63.5x120	0.20	5,000.00	9.80	CCE109M2DRWJTA2**
200	15000	76x120	0.20	5,000.00	13.00	CCE159M2DRWJUA2**
200	22000	90x140	0.20	5,000.00	15.90	CCE229M2DRWJXA4**
200	33000	90x170	0.20	5,000.00	19.50	CCE339M2DRWJXA7**
200	47000	90x220	0.20	5,000.00	20.90	CCE479M2DRWJX2R**
250	1000	35x80	0.15	5,000.00	2.40	CCE108M2ERWJQ80**
250	1500	35x100	0.15	5,000.00	3.00	CCE158M2ERWJQ1L**
250	2200	51x80	0.15	5,000.00	4.00	CCE228M2ERWJS80**
250	3300	51x100	0.15	5,000.00	5.40	CCE338M2ERWJS1L**
250	4700	63.5x100	0.20	5,000.00	7.30	CCE478M2ERWJT1L**
250	6800	63.5x120	0.20	5,000.00	8.90	CCE688M2ERWJTA2**
250	10000	76x120	0.20	5,000.00	11.80	CCE109M2ERWJUA2**
250	15000	90x140	0.20	5,000.00	16.40	CCE159M2ERWJXA4**
250	22000	90x170	0.20	5,000.00	17.90	CCE229M2ERWJXA7**
250	33000	90x220	0.20	5,000.00	19.70	CCE339M2ERWJX2R**

350	2200	51x100	0.25	5,000.00	7.70	CCE228M2VRWJS1L**
350	2700	51x120	0.25	5,000.00	9.30	CCE278M2VRWJSA2**
350	3300	51x130	0.25	5,000.00	10.80	CCE338M2VRWJS2C**
350	3900	63.5x120	0.25	5,000.00	12.10	CCE398M2VRWJTA2**
350	4700	63.5x130	0.25	5,000.00	14.00	CCE478M2VRWJT2C**
350	5600	76x120	0.25	5,000.00	16.10	CCE568M2VRWJUA2**
350	6800	76x130	0.25	5,000.00	18.60	CCE688M2VRWJU2C**
350	8200	76x155	0.25	5,000.00	21.50	CCE828M2VRWJUAE**
350	10000	90x150	0.25	5,000.00	25.50	CCE109M2VRWJX1R**
350	12000	90x170	0.25	5,000.00	29.50	CCE129M2VRWJXA7**
400	1000	51x80	0.25	5,000.00	5.00	CCE108M2GRWJS80**
400	1200	51x80	0.25	5,000.00	5.80	CCE128M2GRWJS80**
400	1500	51x100	0.25	5,000.00	6.40	CCE158M2GRWJS1L**
400	1800	51x100	0.25	5,000.00	7.00	CCE188M2GRWJS1L**
400	2200	63.5x90	0.25	5,000.00	8.30	CCE228M2GRWJT90**
400	2700	51x130	0.25	5,000.00	9.80	CCE278M2GRWJS2C**
400	3300	63.5x120	0.25	5,000.00	11.10	CCE338M2GRWJTA2**
400	3900	63.5x130	0.25	5,000.00	12.70	CCE398M2GRWJT2C**
400	4700	76x120	0.25	5,000.00	14.70	CCE478M2GRWJUA2**
400	5600	76x130	0.25	5,000.00	16.90	CCE568M2GRWJU2C**
400	6800	76x150	0.25	5,000.00	18.20	CCE688M2GRWJU1R**
400	8200	90x150	0.25	5,000.00	23.00	CCE828M2GRWJX1R**
400	10000	90x160	0.25	5,000.00	26.60	CCE109M2GRWJX1S**
400	12000	90x170	0.25	5,000.00	30.00	CCE129M2GRWJXA7**
400	15000	90x230	0.25	5,000.00	32.00	CCE159M2GRWJXB3**
450	1000	51x80	0.25	5,000.00	5.00	CCE108M2WRWJS80**
450	1200	51x100	0.25	5,000.00	5.70	CCE128M2WRWJS1L**
450	1500	51x100	0.25	5,000.00	6.30	CCE158M2WRWJS1L**
450	1800	51x120	0.25	5,000.00	7.60	CCE188M2WRWJSA2**
450	2200	51x130	0.25	5,000.00	8.80	CCE228M2WRWJS2C**
450	2200	63.5x100	0.25	5,000.00	8.50	CCE228M2WRWJT1L**
450	2700	63.5x120	0.25	5,000.00	10.10	CCE278M2WRWJTA2**
450	3300	63.5x130	0.25	5,000.00	11.70	CCE338M2WRWJT2C**
450	3900	76x120	0.25	5,000.00	13.40	CCE398M2WRWJUA2**
450	4700	76x130	0.25	5,000.00	15.50	CCE478M2WRWJU2C**
450	5600	76x155	0.25	5,000.00	18.00	CCE568M2WRWJUAE**
450	5600	90x150	0.25	5,000.00	18.80	CCE568M2WRWJX1R**
450	6800	90x150	0.25	5,000.00	21.00	CCE688M2WRWJX1R**
450	8200	90x160	0.25	5,000.00	24.10	CCE828M2WRWJX1S**
450	10000	90x155	0.25	5,000.00	26.70	CCE109M2WRWJXAE**
450	12000	90x230	0.25	5,000.00	29.50	CCE129M2WRWJXB3**
500	1000	63.5x90	0.25	5,000.00	4.30	CCE108M2HRWJT90**
500	1200	63.5x90	0.25	5,000.00	4.80	CCE128M2HRWJT90**
500	1500	63.5x90	0.25	5,000.00	5.50	CCE158M2HRWJT90**
500	1800	63.5x110	0.25	5,000.00	6.50	CCE188M2HRWJTA0**
500	2200	63.5x130	0.25	5,000.00	7.70	CCE228M2HRWJT2C**
500	2700	76x110	0.25	5,000.00	8.80	CCE278M2HRWJUA0**
500	3300	76x130	0.25	5,000.00	10.40	CCE338M2HRWJU2C**
500	3900	76x130	0.25	5,000.00	11.40	CCE398M2HRWJU2C**
500	4700	90x130	0.25	5,000.00	13.70	CCE478M2HRWJX2C**
500	5600	90x150	0.25	5,000.00	15.90	CCE568M2HRWJX1R**
500	6800	90x170	0.25	5,000.00	18.50	CCE688M2HRWJXA7**
500	8200	90x190	0.25	5,000.00	21.40	CCE828M2HRWJXA9**

Remark:

- 1)Specification are subject to change without notice should a safety or technical concern arise regarding the product , please be sure to contact our sales offices ;
- 2)The sizes in the above table are all general specifications. If you need other specifications,please contact us.
- 3)"**"indicates packaging method