

VC

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※ Note : If any doubt arises, measure the leakage current after following voltage treatment.
Voltage treatment : DC rated voltage are applied to the capacitors for 120 minutes at 105°C.

PACKAGING AND DIMENSIONS

Polarity Marking (Cathode)

VC1212 Series Code
330 Rated Capacitance
16 Rated Voltage

Dimensions (Unit: mm)

Top View: $C \pm 0.2$, $P \pm 0.2$, $W \pm 0.2$, $H \pm 0.2$

Side View: $\Phi D \pm 0.5$, $L \pm 0.3$ (± 0.5 for $\phi 8$ & $\phi 10$), 0.3 max

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VC SERIES STANDARD CHARACTERISTICS LIST

Rated Voltage (S.V.)	Cap (μF)	Size DxL	Leakage current (μA) max. ※2	ESR (mΩ) max. 100k to 300kHz / 20°C	Rated Ripple Current (mA rms) 100kHz / 105°C	D.F. (tanδ) max. 120Hz / 20°C
2.5 (2.9)	220	5×6	300	40	1,620	0.12
	330	6.3×6	300	20	2,690	0.12
	820	6.3×9.5	410	18	3,200	0.12
	820	8×9.5	410	18	4,520	0.12
	1,500	8×9.5	750	18	4,520	0.12
	1,800	8×12	900	12	5,200	0.12
	2,700	10×12.5	1,350	12	5,500	0.12
4 (4.6)	68	5×6	300	40	1,500	0.12
	150	6.3×6	300	24	2,200	0.12
	680	6.3×9.5	544	16	3,200	0.12
	680	8×7	544	20	3,400	0.12
	1,000	8×9.5	800	16	4,500	0.12
	1,500	8×12	1,200	14	5,100	0.12
	1,800	10×12.5	1,440	12	5,500	0.12
	2,200	10×12.5	2,000	12	5,500	0.12
6.3 (7.2)	100	5×6	300	40	1,500	0.12
	220	5×7	300	20	1,600	0.12
	220	6.3×6	300	20	2,400	0.12
	560	6.3×9.5	705	20	3,200	0.12
	560	8×7	705	20	3,300	0.12
	820	8×9.5	1,033	15	4,450	0.12
	1,000	8×9.5	1,260	15	4,520	0.12
	1,200	8×12	1,512	12	5,020	0.12
	1,500	10×10.5	1,890	15	5,020	0.12
	1,800	10×12.5	2,268	12	5,400	0.12
	2,200	10×12.5	2,772	12	5,500	0.12
10 (11.5)	68	5×6	300	40	1,500	0.12
	120	6.3×6	300	25	2,420	0.12
	150	8×7	300	22	2,450	0.12
	330	6.3×9.5	660	20	3,200	0.12
	560	8×9.5	1,120	16	4,450	0.12
	680	8×9.5	1,360	16	4,450	0.12
	820	8×12	1,640	14	4,850	0.12
	1,000	10×10.5	2,000	15	5,020	0.12
	1,200	10×10.5	2,400	15	5,200	0.12
	1,500	10×12.5	3,000	14	5,400	0.12
16 (18.4)	100	6.3×6	320	24	2,400	0.12
	180	6.3×9.5	576	20	3,200	0.12
	220	6.3×9.5	704	20	3,200	0.12
	270	6.3×9.5	864	20	3,200	0.12
	270	8×7	864	20	3,400	0.12
	270	8×9.5	864	20	4,400	0.12
	470	8×9.5	1,504	20	4,400	0.12
	560	8×12	1,792	16	4,820	0.12
	680	10×10.5	2,176	18	5,200	0.12
	1,000	10×12.5	3,200	16	5,400	0.12

※ 1. Capacitance tolerance : ±20% (M)

※ 2. After 2 minutes

FREQUENCY COEFFICIENT FOR RIPPLE CURRENT

Frequency	120Hz ≤ f < 1kHz	1kHz ≤ f < 10kHz	10kHz ≤ f < 100kHz	100kHz ≤ f < 500kHz
Coefficient	0.05	0.3	0.7	1