

Jamicon Series : VC

Teapo Series : VC Vehclar Special



- Endurance:105°C,2000hrs
- Recommended Applications: Vehclar Special
- Corresponding product to RoHS

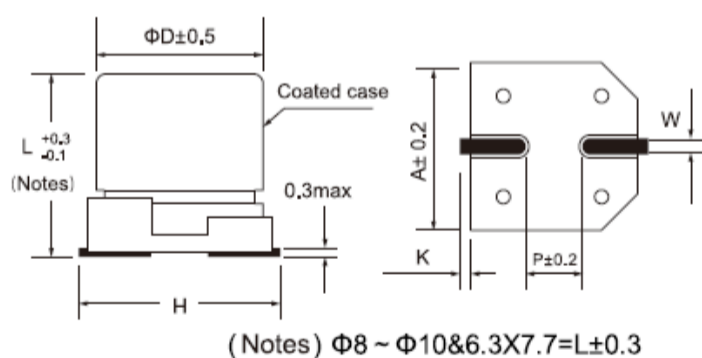
■ Specifications

Item	Characteristics	
Category Temperature Range	-55 ~ +105°C	
Rated Voltage Range	2.5~25VDC	
Rated Capacitance Range	22~ 1500 μF	
Capacitance Tolerance	± 20 % (120Hz , 20°C)	
Surge Voltage	Rated voltage (V) x 1.15	
Leakage Current (20°C)	Less than or equal to the value of Table , (After rated voltage applied for 2 minutes) I : Leakage Current (μ A) C : Capacitance(μ F) V : Rated Voltage Range(VDC)	
Dissipation Factor (MAX) (tan δ) (120Hz ,20°C)	WV	2.5~25
	tan δ	0.12
Temperature characteristic Impedance ratio (MAX)	Z(100KHz) / WV	2.5 ~ 25V
	Z-25°C / Z+20°C	≤ 1.15
	Z-55°C / Z+20°C	≤ 1.25
Endurance	After applying rated voltage for 2000 hours at 105°C , the capacitor shall meet the following requirement °	
	Appearance	No significant damage
	Capacitance Change	Within ±20% of the initial value
	Dissipation Factor	Not more than 150% of the initial specified value
	Equivalent Series Resistance	Not more than 150% of the initial specified value
Humidity Test	after subjecting 90 to 95% RH for 1000 hours at 60°C , the capacitors shall meet the requirement as Endurance °	
	Capacitance Change	Within ±10% of the initial value
	Dissipation Factor	Not more than 130% of the initial specified value
	Equivalent Series Resistance	Not more than 130% of the initial specified value
	Leakage Current	Not more than the initial specified value
Resistance to Soldering Heat *	Capacitance Change	Within ±10% of the initial value
	Dissipation Factor	Not more than 130% of the initial specified value
	Equivalent Series Resistance	Not more than 130% of the initial specified value
	Leakage Current	Not more than the initial specified value

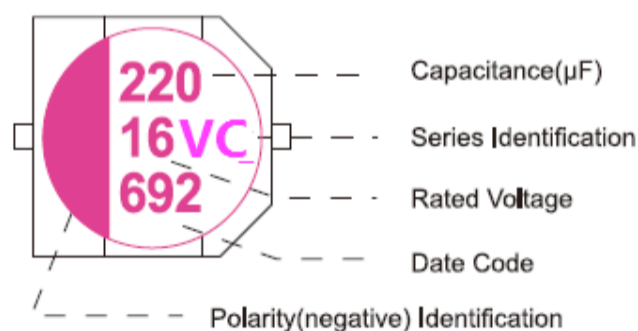
*For any doubt about measured values, measure the leakage current again after the following voltage treatment °

Voltage treatment: Applying DC rated voltage to the capacitors for 2 hours at 105°C °

■ Diagram of Dimensions



■ Marking : case with red printing



SIZE	ΦD x L	A	H(Max)	W	P	K
CA1	5x5.8	5.3	6.5	0.65±0.15	1.5±0.2	0.35+0.15/-0.2
EA1	6.3x5.8	6.6	7.8	0.65±0.15	1.8±0.2	0.35+0.15/-0.2
EA4	6.3x7.7	6.6	7.8	0.65±0.15	1.8±0.2	0.35+0.15/-0.2
GA6	8x10.4	8.3	10	0.9±0.2	3.1±0.2	0.7±0.2
HA5	10x10.2	10.3	12	0.9±0.2	4.6±0.2	0.7±0.2
HA8	10x12.2	10.3	12	0.9±0.2	4.6±0.2	0.7±0.2

■ Multiplier for Ripple Current

Frequency(HZ)	120 ≤ F < 1K	1K ≤ F < 10K	10K ≤ F < 100K	100K ≤ F ≤ 500K
Coefficient	0.05	0.30	0.70	1.00

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■Dimensions, Rated Ripple Current, Equivalent Series Resistance

Rated (Surge) Voltage(V)	Capacitance (μ F)	SIZE Φ DxL(mm)	RIPPLE (mA/rms,105 °C 100KHz)	ESR (m Ω ,20°C 100KHz)	LC (μ A max/2min)	Rated (Surge) Voltage(V)	Capacitance (μ F)	SIZE Φ DxL(mm)	RIPPLE (mA/rms,105 °C 100KHz)	ESR (m Ω ,20°C 100KHz)	LC (μ A max/2min)
2.5 (2.88)	180	6.3x5.8	2200	25	300	16(18.4)	22	5x5.8	1210	90	300
	220	6.3x5.8	2500	25	300		47	6.3x5.8	1600	50	300
	390	6.3x7.7	2720	23	300		82	6.3x7.7	2420	30	300
	470	6.3x7.7	2720	23	300		100	6.3x7.7	2420	30	320
4(4.6)	100	6.3x5.8	2450	26	300		120	6.3x7.7	2420	30	384
	150	6.3x5.8	2450	26	300		150	8x10.4	3490	23	480
	330	6.3x7.7	2650	25	300		180	8x10.4	3490	23	576
	560	8x10.4	3950	18	448		220	8x10.4	3490	23	704
	820	8x10.4	3950	18	656		270	8x10.4	3490	23	864
	1200	10x10.2	4000	12	960		330	10x10.2	3100	16	1056
6.3(7.25)	100	5x5.8	1380	35	300		330	10x12.2	5050	14	1056
		6.3x5.8	2400	27	300		470	10x12.2	5050	14	1504
	120	6.3x5.8	2400	27	300		560	10x12.2	5050	14	1792
		6.3x5.8	2400	27	300		680	10x12.2	5050	14	2176
	330	6.3x5.8	2400	27	415		820	10x12.2	5050	14	2624
		6.3x7.7	2650	25	415		20(23)	22	6.3x5.8	1650	50
	470	6.3x7.7	2650	25	592	47		6.3x7.7	2000	45	300
		8x10.4	3610	21	592	100		8x10.4	3320	24	480
	680	8x10.4	3610	21	857	150		10x12.2	4220	21	600
		10x10.2	3650	12	857	25(28.75)	22	6.3x5.8	900	65	300
	820	10x10.2	3650	12	1033		27	6.3x7.7	1800	50	300
		10x12.2	5500	10	1033		47	6.3x5.8	1300	65	300
	1000	8x10.4	3610	21	1260			6.3x7.7	1800	45	300
		10x12.2	5500	10	1260		68	6.3x7.7	1800	45	340
10(11.5)	22	5x5.8	1270	40	300		100	8x10.4	3320	35	500
	33	5x5.8	1270	40	300		150	8x10.4	3320	35	750
	47	5x5.8	1270	40	300		180	10x10.2	3100	30	900
	56	6.3x5.8	2250	31	300		220	8x10.4	3320	35	1100
	100	6.3x5.8	2250	31	300		270	10x10.2	3320	30	1350
	150	6.3x7.7	2560	27	300	330	10x12.2	3500	28	1650	
	390	8x10.4	3020	22	780						
	470	10x10.2	3500	14	940						
	560	10x12.2	5300	12	1120						
	1000	10x12.2	5300	13	2000						