

Jamicon Series : VA

Teapo Series : VA Long Life15000hrs Series

- Endurance:105°C,15000hrs
- Recommended Applications: Long Life15000hrs Series
- Corresponding product to RoHS

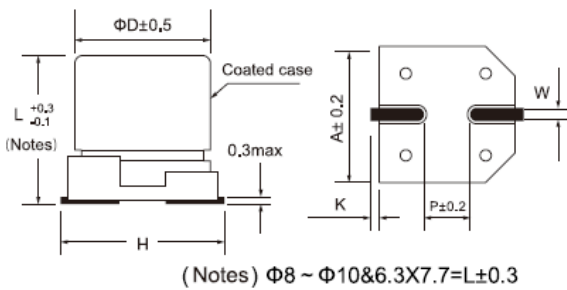


Specifications

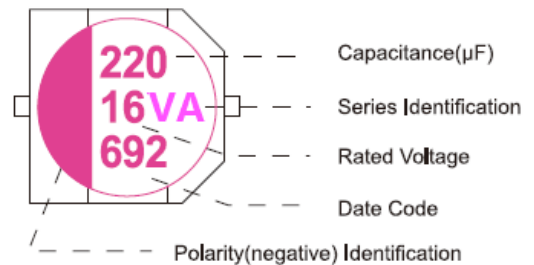
Item	Characteristics	
Category Temperature Range	-55 ~ +105°C	
Rated Voltage Range	6.3~25VDC	
Rated Capacitance Range	22~ 1500 μF	
Capacitance Tolerance	± 20 % (120Hz , 20°C)	
Surge Voltage	Rated voltage (V) x 1.15	
Leakage Current (20°C)	Less than or equal to the value of Table , (After rated voltage 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	6.3~25
	tan δ	0.12
Temperature characteristic Impedance ratio (MAX)	Z(100KHz) / WV	6.3 ~ 25V
	Z-25°C / Z+20°C	≤ 1.15
	Z-55°C / Z+20°C	≤ 1.25
Endurance	After applying rated voltage for 15000 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	Φ D x L	A	H(Max)	W	P	K
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)
6.3(7.25)	220	6.3x5.8	2400	50	300
	470	6.3x7.7	2600	45	592
	820	8x10.4	3200	35	1033
	1500	10x10.2	4500	25	1890
10(11.5)	120	6.3x5.8	2000	45	300
	330	6.3x7.7	2400	40	660
	470	8x10.4	2800	35	940
	820	10x10.2	3500	35	1640
16(18.4)	100	6.3x5.8	2000	50	320
	180	6.3x7.7	2500	40	576
	330	8x10.4	3000	35	1056
	470	10x10.2	3200	30	1504
25(28.75)	47	6.3x5.8	1100	90	300
	100	6.3x7.7	1800	70	500
	220	8x10.4	2600	55	1100
	330	10x12.2	2800	50	1650