

Chip Type Aluminum Electrolytic Capacitors

PG Chip Type Series



- Chip type,with load life of 2000 hours at +125℃
- Low ESR(Low temp)
- Designed for surface mounting on high density PC board.
- Suited for automobile electronics
- Adapted to the RoHS directive (2002/95/EC).

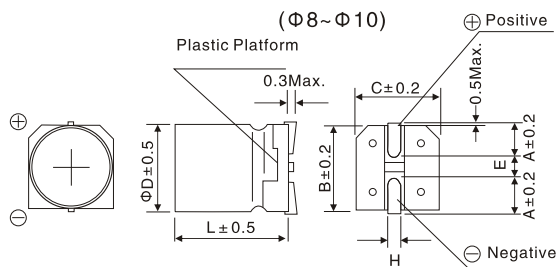
Specifications

Item	Characteristics					
Operating Temperature Range	-40℃~+125℃					
Rated Voltage Range	10V ~ 50V					
Nominal Capacitance Range	10 μ F ~ 330 μ F					
Capacitance Tolerance	M (± 20%) (20℃, 120Hz)					
Leakage Current	I≤0.01CV or 3(μ A),whichever is greater. C:Nominal capacitance (μ F) V:Rated voltage(V) (20℃, after 2 minutes)					
Dissipation Factor (Max)	WV	10	16	25	35	50
	tan δ	0.30	0.23	0.18	0.16	0.14
(20℃, 120Hz)						
Low Temperature Stability (Impedance Ratio)	WV	10	16	25	35	50
	Z(-25℃)/Z(+20℃)	3	2	2	2	2
	Z(-40℃)/Z(+20℃)	6	4	4	3	3
(120Hz)						
Load Life	After 2000 hours’ application of rated voltage at 125℃,the capacitors shall meet the following requirement:					
	Capacitance change	Within ± 30% of the initial value.				
	Dissipation factor	Not more than 300% of the initial specified value.				
	Leakage current	Not more than the initial specified value.				
Shelf Life	After storage for 1000 hours at 125℃,the capacitor shall meet the following requirement .					
	Capacitance change	Within ± 30% of the initial value.				
	Dissipation factor	Not more than 300% of the initial specified value.				
	Leakage current	Not more than the initial specified value.				

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■ Dimensions



	(mm)	
	8 × 10	10 × 10
A	2.9	3.2
B	8.3	10.3
C	8.3	10.3
E	3.1	4.5
L	10	10
H	0.8~1.1	

■ Nominal capacitance, rated voltage, rated ripple current, impedance and case size table

WV Item μ F	10			16			25			35			50		
	D × L mm	ESR	I~	D × L mm	ESR	I~	D × L mm	ESR	I~	D × L mm	ESR	I~	D × L mm	ESR	I~
10															
22															
33													8 × 10	0.75	133
47										8 × 10	0.5	197	10 × 10	0.5	221
100				8 × 10	0.5	197	8 × 10	0.5	197	10 × 10	0.3	270			
220	8 × 10	0.5	197	10 × 10	0.3	270	10 × 10	0.3	270						
330	10 × 10	0.3	270												

Rated ripple current (mA rms)
(125°C, 100kHz)

ESR(Ω)(20°C, 100kHz)