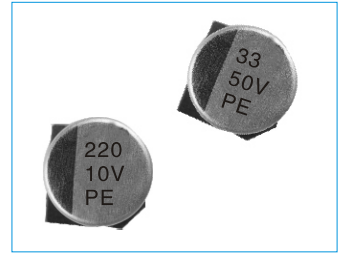


Chip Type Aluminum Electrolytic Capacitors

PE Chip Type Series



- Chip type, with load life of 1000 hours at +125°C.
- Designed for surface mounting on high density PC board.
- Suited for automobile electronics.
- Adapted to the RoHS directive (2002/95/EC).

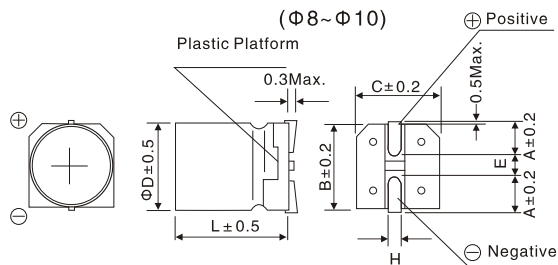
Specifications

Item	Characteristics																		
Operating Temperature Range	-40°C~+125°C																		
Rated Voltage Range	10V ~ 50V																		
Nominal Capacitance Range	10 μ F ~ 330 μ F																		
Capacitance Tolerance	M (± 20%) (20°C, 120Hz)																		
Leakage Current	$I \leq 0.01CV$ or $3(\mu A)$, whichever is greater. C:Nominal capacitance (μ F) V:Rated voltage(V) (20°C, after 2 minutes)																		
Dissipation Factor (Max)	<table border="1"> <thead> <tr> <th>WV</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>tan δ</td> <td>0.32</td> <td>0.24</td> <td>0.21</td> <td>0.18</td> <td>0.18</td> </tr> </tbody> </table> (20°C, 120Hz)	WV	10	16	25	35	50	tan δ	0.32	0.24	0.21	0.18	0.18						
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Load Life	After 1000 hours' application of rated voltage at 125°C, the capacitors shall meet the following requirement: <table border="1"> <tbody> <tr> <td>Capacitance change</td> <td>Within ± 30% of the initial value.</td> </tr> <tr> <td>Dissipation factor</td> <td>Not more than 300% of the initial specified value.</td> </tr> <tr> <td>Leakage current</td> <td>Not more than the initial specified value.</td> </tr> </tbody> </table>	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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Shelf Life	After storage for 500 hours at 125°C, the capacitor shall meet the following requirement . <table border="1"> <tbody> <tr> <td>Capacitance change</td> <td>Within ± 20% of the initial value.</td> </tr> <tr> <td>Dissipation factor</td> <td>Not more than 200% of the initial specified value.</td> </tr> <tr> <td>Leakage current</td> <td>Not more than the initial specified value.</td> </tr> </tbody> </table>	Capacitance change	Within ± 20% of the initial value.	Dissipation factor	Not more than 200% of the initial specified value.	Leakage current	Not more than the initial specified value.												
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■ Dimensions



	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	

(mm)

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

WV Item μF	10		16		25		35		50	
	D × L mm	I~	D × L mm	I~	D × L mm	I~	D × L mm	I~	D × L mm	I~
10										
22										
33									8 × 10	74
47							8 × 10	79	10 × 10	94
100			8 × 10	89	8 × 10	84	10 × 10	101		
220	8 × 10	93	10 × 10	113						
330	10 × 10	118								
	↑ Rated ripple current (mA rms)(125°C, 100kHz)									