



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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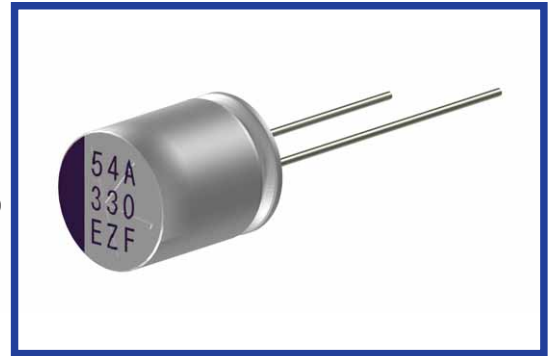
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**PZF SERIES**
**Load Life : 125°C 4000 hours (Hybrid Type), Radial Lead Type**

- High Voltage(~63Vdc), Ultra Low ESR, High Ripple Current, Miniaturized.
- AEC-Q200.

RoHS compliance


**◆SPECIFICATIONS**

Items	Characteristics								
Category Temperature Range	-55~+125°C								
Rated Voltage Range	25~63Vdc								
Capacitance Tolerance	±20% (20°C, 120Hz)								
Leakage Current(MAX)	The value is shown in "STANDARD SIZE" table (After 2 minutes)								
Dissipation Factor(MAX) (tanδ)	The value is shown in "STANDARD SIZE" table (20°C, 120Hz)								
Endurance	After applying rated voltage with rated ripple current for 4000 hours at 125°C, the capacitors shall meet the following requirements.								
	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±30% 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>E.S.R.</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> </table>	Capacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 200% of the initial specified value.	E.S.R.	Not more than 200% of the initial specified value.	Leakage Current	Not more than the initial specified value.
	Capacitance Change	Within ±30% of the initial value.							
	Dissipation Factor	Not more than 200% of the initial specified value.							
E.S.R.	Not more than 200% of the initial specified value.								
Leakage Current	Not more than the initial specified value.								
Biased Humidity	After applying rated voltage for 2000 hours at 85°C and humidity of 85%, the capacitors shall meet the following requirements.								
	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±30% 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>E.S.R.</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> </table>	Capacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 200% of the initial specified value.	E.S.R.	Not more than 200% of the initial specified value.	Leakage Current	Not more than the initial specified value.
	Capacitance Change	Within ±30% of the initial value.							
	Dissipation Factor	Not more than 200% of the initial specified value.							
E.S.R.	Not more than 200% of the initial specified value.								
Leakage Current	Not more than the initial specified value.								
Low Temperature Characteristics Impedance Ratio(MAX)	$Z(-55^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 2.0$ (100kHz) $Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.5$								

**◆PART NUMBER**

□□□	PZF	□□□□□	M	□□□	□□	DXL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

**◆MULTIPLIER FOR RIPPLE CURRENT**

Frequency (Hz)	120	1k	10k	100k≤
Coefficient	0.05	0.30	0.70	1.00

**◆MARKING**

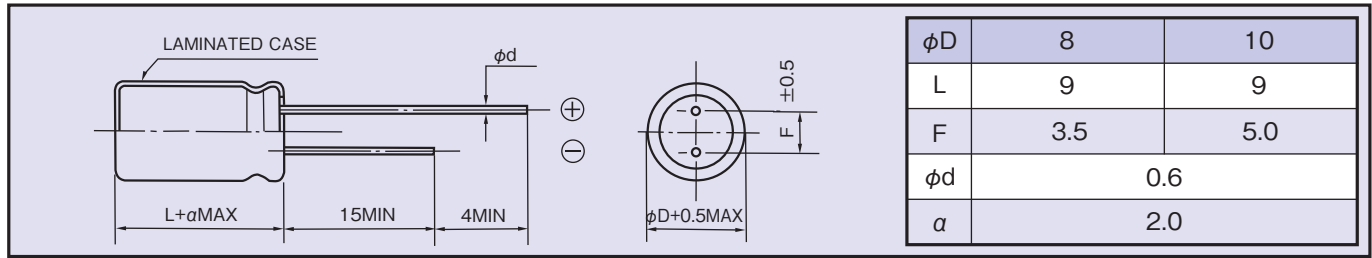
Lot No. 51A  
 Capacitance 68  
 Series H ZF  
 Rated voltage code E  
 Negative

※Voltage code

Rated Voltage (Vdc)	25	35	50	63
Voltage code	E	V	H	J

**◆ DIMENSIONS**

(mm)


**◆ STANDARD SIZE**

Rated Voltage (Vdc)	Capacitance ( $\mu F$ )	Size $\phi D \times L$ (mm)	$(\tan \delta)$ (120Hz, 20°C)	Leakage Current ( $\mu A/2min$ )	E.S.R.(m $\Omega$ ,max)		Rated Ripple Current (mA r.m.s./125°C, 100kHz)
					20°C, 100kHz	-40°C, 10kHz	
25	220	8×9	0.14	55.0	27	41	1600
	330	10×9	0.14	82.5	20	30	2000
35	150	8×9	0.12	52.5	27	41	1600
	270	10×9	0.12	94.5	20	30	2000
50	68	8×9	0.10	34.0	30	45	1250
	100	10×9	0.10	50.0	28	42	1600
63	33	8×9	0.08	20.8	40	60	1100
	56	10×9	0.08	35.3	30	45	1400