

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" style="margin-left: 20px;"> <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" style="margin-left: 20px;"> <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°C)/Z(+20°C)≤2.0 (100kHz) Z(−25°C)/Z(+20°C)≤1.5									

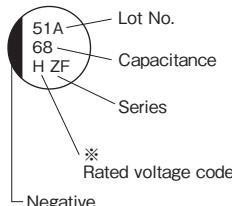
◆PART NUMBER

□□□ PZF □□□□□□ M □□□ □□ D×L
 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



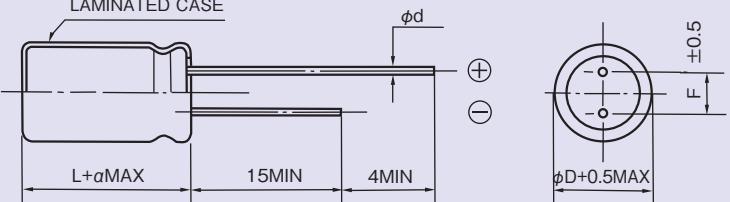
※Voltage code

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

◆DIMENSIONS

(mm)

	ϕD	8	10
L	9	9	
F	3.5	5.0	
ϕd	0.6		
a	2.0		



◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	$(\tan\delta)$ (120Hz, 20°C)	Leakage Current ($\mu A/2min$)	E.S.R.(mΩ,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