

PFV SERIES
UPGRADE
Load Life : 125°C 4000 hours (Hybrid Type), Chip Type

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

RoHS compliance


◆SPECIFICATIONS

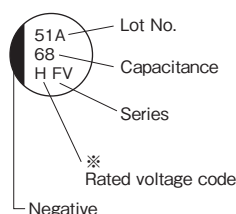
Items	Characteristics	
Category Temperature Range	-55~+125°C	
Rated Voltage Range	25~63Vdc	
Capacitance Tolerance	±20% (20°C, 120Hz)	
Leakage Current(MAX)	The value is shown in "STANDARD SIZE" table (After 2 minutes)	
Dissipation Factor(MAX) (tanδ)	The value is shown in "STANDARD SIZE" table (20°C, 120Hz)	
Endurance	After applying rated voltage with rated ripple current for 4000 hours at 125°C, the capacitors shall meet the following requirements.	
	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.
Biased Humidity	After applying rated voltage for 2000 hours at 85°C and humidity of 85%, the capacitors shall meet the following requirements.	
	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.
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

□□□	PFV	□□□□□	M	□□□	DXL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Case Size

◆MULTIPLIER FOR RIPPLE CURRENT

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

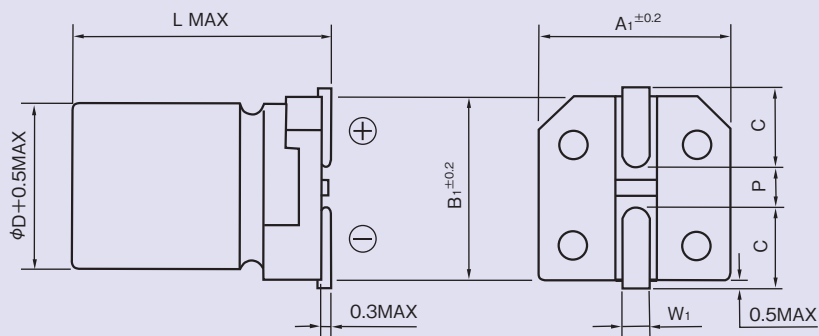
◆MARKING


※Voltage code

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

◆ DIMENSIONS

(mm)



ϕD	L	A1	B1	C	W1	P
6.3	6.1	6.6	6.6	2.7	0.5~0.8	1.8
6.3	8	6.6	6.6	2.7	0.5~0.8	1.8
8	10.5	8.3	8.3	2.9	0.8~1.1	3.1
10	10.5	10.3	10.3	3.2	0.8~1.1	4.5

 ※ Vibration proof package is also available for $\phi 8$ and $\phi 10$. For details, please refer to chip aluminum electrolytic capacitors section.

◆ STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	$(\tan \delta)$ (120Hz, 20°C)	Leakage Current ($\mu\text{A}/2\text{min}$)	E.S.R. (m Ω , max)		Rated Ripple Current (mA r.m.s./125°C, 100kHz)
					20°C, 100kHz	-40°C, 10kHz	
25	56	6.3×6.1	0.14	14.0	50	75	900
	100	6.3×8	0.14	25.0	30	45	1400
	220	8×10.5	0.14	55.0	27	41	1600
	330	10×10.5	0.14	82.5	20	30	2000
35	47	6.3×6.1	0.12	16.4	60	90	900
	68	6.3×8	0.12	23.8	35	53	1400
	150	8×10.5	0.12	52.5	27	41	1600
	270	10×10.5	0.12	94.5	20	30	2000
50	22	6.3×6.1	0.10	11.0	80	120	750
	33	6.3×8	0.10	16.5	40	60	1100
	68	8×10.5	0.10	34.0	30	45	1250
	100	10×10.5	0.10	50.0	28	42	1600
63	10	6.3×6.1	0.08	6.3	120	180	700
	22	6.3×8	0.08	13.8	80	120	900
	33	8×10.5	0.08	20.8	40	60	1100
	56	10×10.5	0.08	35.3	30	45	1400