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

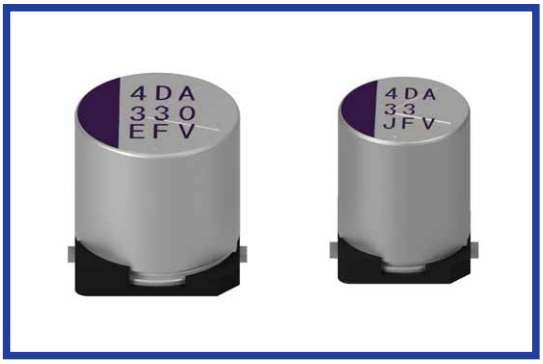
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

PFV SERIES UPGRADE

Load Life : 125℃ 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℃
Rated Voltage Range	25~63Vdc
Capacitance Tolerance	±20%(20℃,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℃, 120Hz)
Endurance	After applying rated voltage with rated ripple current for 4000 hours at 125℃, 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. Leakage Current: Not more than the initial specified value.
Biased Humidity	After applying rated voltage for 2000 hours at 85℃ 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. Leakage Current: Not more than the initial specified value.
Low Temperature Characteristics Impedance Ratio(MAX)	Z(−55℃)/Z(+20℃)≦2.0 (100kHz) Z(−25℃)/Z(+20℃)≦1.5

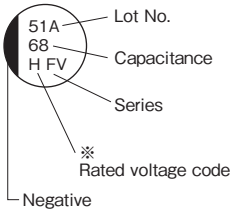
◆PART NUMBER

□□□ Rated Voltage | PFV Series | □□□□□ Capacitance | M Capacitance Tolerance | □□□ Option | D×L Case Size

◆MULTIPLIER FOR RIPPLE CURRENT

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

◆MARKING

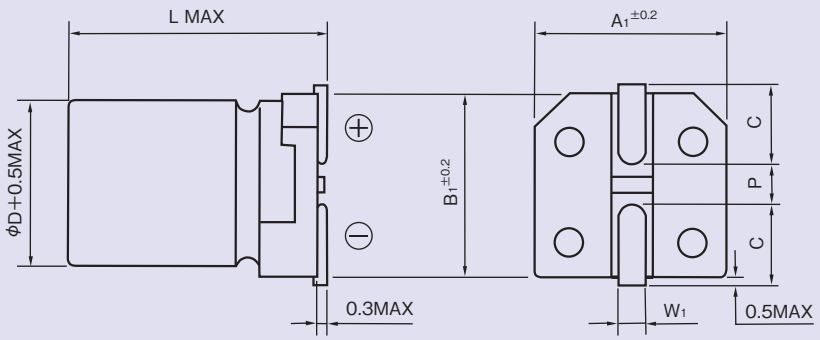


※Voltage code

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 φ8 and φ10. For details, please refer to chip aluminum electrolytic capacitors section.

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	(tanδ) (120Hz, 20℃)	Leakage Current (μA/2min)	E.S.R.(mΩ,max)		Rated Ripple Current (mA r.m.s./125℃, 100kHz)
					20℃, 100kHz	−40℃, 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