

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!



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**PEV SERIES**
**UPGRADE**
**Load Life : 105°C 10000 hours (Hybrid Type) , Chip Type**

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

RoHS compliance


**◆SPECIFICATIONS**

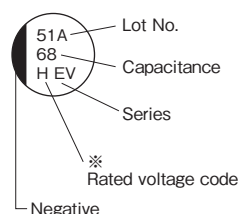
Items	Characteristics	
Category Temperature Range	-55~+105°C	
Rated Voltage Range	25~63Vdc	
Capacitance Tolerance	±20% (20°C, 120Hz)	
Leakage Current(MAX)	The value is shown in "STANDARD SIZE" table (After 2 minutes)	
Dissipation Factor(MAX) (tanδ)	The value is shown in "STANDARD SIZE" table (20°C, 120Hz)	
Endurance	After applying rated voltage with rated ripple current for 10000 hours at 105°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**

□□□	PEV	□□□□□	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

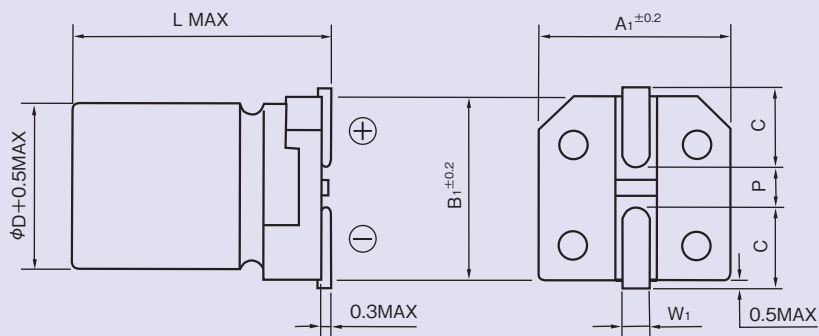
**◆MARKING**


※Voltage code

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

**◆ DIMENSIONS**

(mm)



$\phi D$	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 ( $\mu\text{F}$ )	Size $\phi D \times L$ (mm)	$(\tan \delta)$ (120Hz, 20°C)	Leakage Current ( $\mu\text{A}/2\text{min}$ )	E.S.R. (m $\Omega$ , max)		Rated Ripple Current (mA r.m.s./105°C, 100kHz)
					20°C, 100kHz	-40°C, 10kHz	
25	56	6.3×6.1	0.14	14.0	50	75	1300
	100	6.3×8	0.14	25.0	30	45	2000
	220	8×10.5	0.14	55.0	27	41	2300
	330	10×10.5	0.14	82.5	20	30	2500
35	47	6.3×6.1	0.12	16.4	60	90	1300
	68	6.3×8	0.12	23.8	35	53	2000
	150	8×10.5	0.12	52.5	27	41	2300
	270	10×10.5	0.12	94.5	20	30	2500
50	22	6.3×6.1	0.10	11.0	80	120	1100
	33	6.3×8	0.10	16.5	40	60	1600
	68	8×10.5	0.10	34.0	30	45	1800
	100	10×10.5	0.10	50.0	28	42	2000
63	10	6.3×6.1	0.08	6.3	120	180	1000
	22	6.3×8	0.08	13.8	80	120	1500
	33	8×10.5	0.08	20.8	40	60	1700
	56	10×10.5	0.08	35.3	30	45	1800