

PAV SERIES

Load Life : 105°C 3000 hours, Chip Type

◆FEATURES

- High Voltage (∼63Vdc), Ultra Low ESR, High Ripple Current.
- Lead free reflow soldering is available
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	−55∼+105°C						
Rated Voltage Range	25∼63Vdc						
Surge Voltage	Rated Voltage ×1.15						
Capacitance Tolerance	±20% (20°C, 120Hz)						
Leakage Current(MAX)	The value is shown in “STANDARD SIZE” table (After 2 minutes)						
(tanδ) Dissipation Factor(MAX)	0.12以下 (20°C, 120Hz)						
Endurance	After applying rated voltage for 3000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td><td>Within ±20% of the initial value.</td></tr> <tr> <td>Dissipation Factor</td><td>Not more than 150% of the specified value.</td></tr> <tr> <td>Leakage Current</td><td>Not more than the specified value.</td></tr> </table>	Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 150% of the specified value.	Leakage Current	Not more than the specified value.
Capacitance Change	Within ±20% of the initial value.						
Dissipation Factor	Not more than 150% of the specified value.						
Leakage Current	Not more than the specified value.						
Damp heat(Stady state)	After applying rated voltage for 1000 hours at 60°C and humidity of 90 to 95%, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td><td>Within ±20% of the initial value.</td></tr> <tr> <td>Dissipation Factor</td><td>Not more than 150% of the specified value.</td></tr> <tr> <td>Leakage Current</td><td>Not more than the specified value.</td></tr> </table>	Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 150% of the specified value.	Leakage Current	Not more than the specified value.
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Dissipation Factor	Not more than 150% of the specified value.						
Leakage Current	Not more than the specified value.						
Low Temperature Characteristics Impedance Ratio(MAX)	$Z(-55^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.25$ (100kHz) $Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.15$						

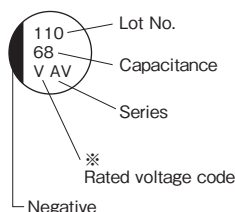
◆PART NUMBER

□□□ PAV □□□□□ 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

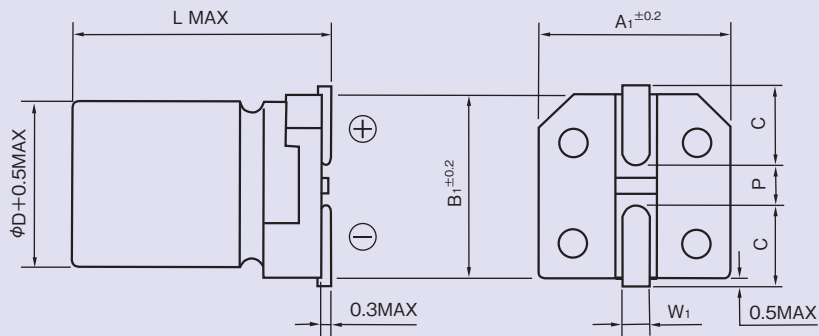


※Voltage code

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

◆DIMENSIONS

(mm)



ϕD	8		10	
L	12	15	12	15
A1	8.3		10.3	
B1	8.3		10.3	
C	2.9		3.2	
W1	0.8~1.1		0.8~1.1	
P	3.1		4.5	

◆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. ($m\Omega, max/20^\circ C, 100kHz$)	Rated Ripple Current (mA rms/100kHz)
25	100	8×12	0.12	500	31	2000
	120	8×15	0.12	600	29	2300
	180	10×12	0.12	900	29	2400
	220	10×15	0.12	1100	28	2800
35	68	8×12	0.12	476	34	1900
	82	8×15	0.12	574	31	2300
	100	10×12	0.12	700	29	2300
	150	10×15	0.12	1050	28	2700
50	33	8×12	0.12	330	36	1700
	39	8×15	0.12	390	34	2000
	56	10×12	0.12	560	30	2200
	68	10×15	0.12	680	29	2600
63	22	8×12	0.12	277	37	1700
	27	8×15	0.12	340	35	2000
	33	10×12	0.12	416	31	2200
	47	10×15	0.12	592	30	2500