PAV SERIES

Load Life : 105℃ 3000 hours, Chip Type

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

RoHS compliance
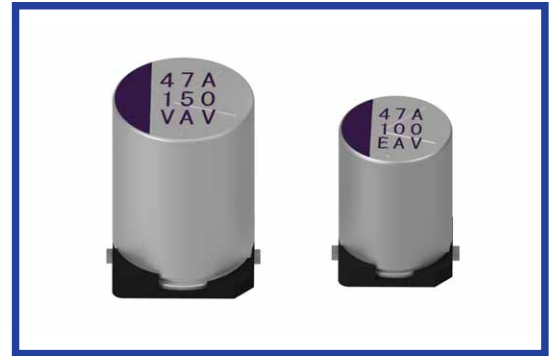
◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−55～+105℃
Rated Voltage Range	25～63Vdc
Surge Voltage	Rated Voltage ×1.15
Capacitance Tolerance	±20%（20℃,120Hz）
Leakage Current(MAX)	The value is shown in "STANDARD SIZE" table (After 2 minutes)
Dissipation Factor(MAX) (tanδ)	Not more than 0.12（20℃,120Hz）
Endurance	After applying rated voltage for 3000 hours at 105℃, the capacitors shall meet the following requirements. <table><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>
Damp heat(Stady state)	After applying rated voltage for 1000 hours at 60℃ and humidity of 90 to 95%, the capacitors shall meet the following requirements. <table><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>
Low Temperature Characteristics Impedance Ratio(MAX)	Z(−55℃)/Z(+20℃)≦1.25 （100kHz） Z(−25℃)/Z(+20℃)≦1.15

◆PART NUMBER

☐☐☐	PAV	☐☐☐☐☐	M	☐☐☐	D×L
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

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110 ── Lot No.
68  ── Capacitance
V AV ── Series
     ── ※ Rated voltage code
     ── Negative
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※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	
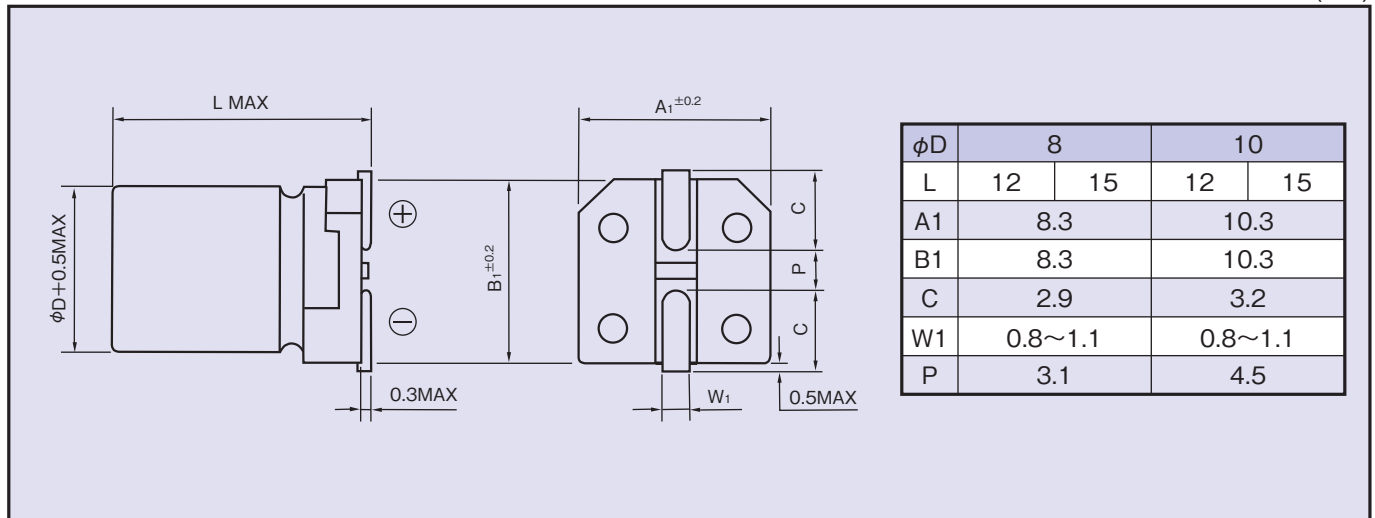
◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	(tanδ) (120Hz,20℃)	Leakage Current (μA/2min)	E.S.R.(mΩ,max)		Rated Ripple Current (mA r.m.s./100kHz)
					20℃, 100kHz	−40℃, 10kHz	
25	100	8×12	0.12	500	31	47	2000
	120	8×15	0.12	600	29	44	2300
	180	10×12	0.12	900	29	44	2400
	220	10×15	0.12	1100	28	42	2800
35	68	8×12	0.12	476	34	51	1900
	82	8×15	0.12	574	31	47	2300
	100	10×12	0.12	700	29	44	2300
	150	10×15	0.12	1050	28	42	2700
50	33	8×12	0.12	330	36	54	1700
	39	8×15	0.12	390	34	51	2000
	56	10×12	0.12	560	30	45	2200
	68	10×15	0.12	680	29	44	2600
63	22	8×12	0.12	277	37	56	1700
	27	8×15	0.12	340	35	53	2000
	33	10×12	0.12	416	31	47	2200
	47	10×15	0.12	592	30	45	2500