

Features

- Higher Capacitance in larger case sizes.
- For general purposes series with 85°C 2000 hours.
- Corresponding product to RoHS

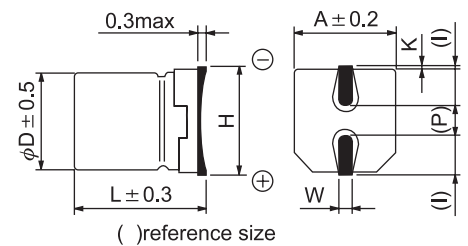


● SPECIFICATION

Item	Characteristic									
Operation Temperature Range	-40 ~ +85°C									
Rated Working Voltage	4 ~ 100VDC									
Capacitance Tolerance (120Hz 20°C)	±20%(M)									
Leakage Current (20°C)	$I \leq 0.01CV$ or $3 (\mu A)$ *Whichever is greater after 2 minutes I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)									
Surge Voltage (20°C)	W.V.	4	6.3	10	16	25	35	50	63	100
	S.V.	5	8	13	20	32	44	63	79	125
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more then 1000 μF									
	W.V.	4	6.3	10	16	25	35	50	63	100
	tan δ	0.35	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.10
Low Temperature Stability	Impedance ratio at 120Hz									
	Rated Voltage (V)	4	6.3	10	16	25	35	50	63	100
	-25°C / +20°C	7	4	3	2	2	2	2	2	2
	-40°C / +20°C	15	8	6	4	4	3	3	3	3
Load Life	After 2000 hours application of W.V. and +85°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage \leq rate working voltage)									
	Capacitance Change	$\leq \pm 20\%$ of initial value								
	Dissipation Factor	$\leq 200\%$ of initial specified value								
	Leakage current	\leq initial specified value								
Shelf Life	At +85°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment)									
Resistance to Soldering Heat	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.									
	Capacitance Change	$\leq \pm 10\%$ of initial value								
	Dissipation Factor	\leq initial specified value								
	Leakage current	\leq initial specified value								

● DIMENSIONS (mm)

D	L	A	H	I	W	P	K
8.0	6.2	8.3	9.5MAX	3.4	0.65±0.1	2.2	0.35 ^{+0.15} _{-0.20}
8.0	10.2	8.3	10.0MAX	3.4	0.90±0.2	3.1	0.70±0.2
10.0	10.2	10.3	12.0MAX	3.5	0.90±0.2	4.6	0.70±0.2



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max ripple current : mA(rms) 85°C 120Hz

μF	V(DC) Item	4		6.3		10	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
100						8x6.2	130
220				8x6.2	150	8x6.2	190
330		8x6.2	140	8x6.2	180	8x10.2	290
470		8x10.2	210	8x10.2	260	10x10.2	420
1000		8x10.2	300	10x10.2	460	10x10.2	610
1500		10x10.2	440	10x10.2	560		

μF	V(DC) Item	16		25		35	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
33						8x6.2	120
47				8x6.2	100	8x6.2	140
100		8x6.2	140	8x6.2	150	8x10.2	250
220		8x10.2	260	8x10.2	270	10x10.2	440
330		8x10.2	310	10x10.2	450	10x10.2	540
470		10x10.2	450				

μF	V(DC) Item	50		63		100	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
3.3						8x6.2	41
4.7						8x10.2	60
10						8x10.2	85
22		8x6.2	110	8x10.2	120	10x10.2	150
33		8x6.2	130	8x10.2	140	10x10.2	180
47		8x10.2	190	10x10.2	190		
100		10x10.2	310	10x10.2	280		
220		10x10.2	460				

CHIP TYPE