Features

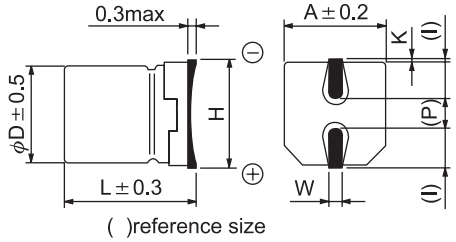
- Higher Capacitance in larger case sizes.
- For general purposes series with 85°C 2000 hours.
- Corresponding product to RoHS

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 ≦0.01CV or 3 (μA) *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 ≦ rate working voltage)									
	Capacitance Change	≦±20% of initial value								
	Dissipation Factor	≦200% of initial specified value								
	Leakage current	≦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 folowing conditions after being cooled to room temperature.									
	Capacitance Change	≦±10% of initial value								
	Dissipation Factor	≦initial specified value								
	Leakage current	≦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



( )reference size

CASE SIZE & MAX RIPPLE CURRENT

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

V(DC) / Item / μF	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		

V(DC) / Item / μF	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				

V(DC) / Item / μF	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				