Features

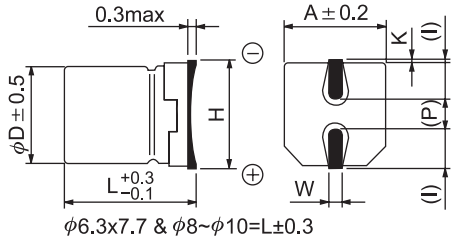
- Load life : 105°C 3000~5000 hours.
- For high density mounting.
- Corresponding product to RoHS

SPECIFICATION

Item	Characteristic						
Operation Temperature Range	-55 ~ +105°C						
Rated Working Voltage	6.3 ~ 50VDC						
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.	6.3	10	16	25	35	50
	S.V.	8	13	20	32	44	63
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more than 1000 μF						
	W.V.	6.3	10	16	25	35	50
	tan δ	0.28	0.24	0.20	0.16	0.13	0.12
Low Temperature Stability	Impedance ratio at 120Hz						
	Rated Voltage (V)	6.3	10	16	25	35	50
	-25°C / +20°C	4	3	2	2	2	2
	-55°C / +20°C	10	7	5	3	3	3
Load Life	After hours (φD≦6.3mm 3000 hours , φD≧8mm 5000 hours) application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≦ rate working voltage)						
	Capacitance Change	≦±30% of initial value					
	Dissipation Factor	≦300% of initial specified value					
	Leakage current	≦initial specified value					
Shelf Life	At +105°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment)						
Resistance to Soldering Heat	Capacitor 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
4.0	5.4	4.3	5.5MAX	1.8	0.65±0.1	1.0	$0.35^{+0.15}_{-0.20}$
5.0	5.4	5.3	6.5MAX	2.2	0.65±0.1	1.5	$0.35^{+0.15}_{-0.20}$
6.3	5.4	6.6	7.8MAX	2.6	0.65±0.1	2.1	$0.35^{+0.15}_{-0.20}$
6.3	7.7	6.6	7.8MAX	2.6	0.65±0.1	2.1	$0.35^{+0.15}_{-0.20}$
8.0	10.2	8.3	10.0MAX	3.4	0.9±0.2	3.1	0.70±0.20
10.0	10.2	10.3	12.0MAX	3.5	0.9±0.2	4.6	0.70±0.20



φ6.3x7.7 & φ8~φ10=L±0.3

( )reference size

CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : mA(rms) 105°C 120Hz

V(DC) / Item / μF	6.3		10		16		25		35		50	
	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
1.0											4x5.4	7
2.2											4x5.4	11
3.3											4x5.4	13
4.7									4x5.4	17	5x5.4	18
10					4x5.4	18	5x5.4	23	5x5.4	25	6.3x5.4	30
22	4x5.4	23	5x5.4	28	5x5.4	30	6.3x5.4	39	6.3x5.4	43	6.3x7.7	60
33	5x5.4	31	5x5.4	34	6.3x5.4	43	6.3x5.4	48	6.3x7.7	70	8x10.2	90
47	5x5.4	38	6.3x5.4	47	6.3x5.4	50	6.3x7.7	75	8x10.2	100	8x10.2	120
100	6.3x5.4	65	6.3x7.7	85	6.3x7.7	95	8x10.2	140	10x10.2	170	10x10.2	180
220	6.3x7.7	120	8x10.2	170	10x10.2	210	10x10.2	230	10x10.2	260		
330	8x10.2	190	10x10.2	230	10x10.2	260	10x10.2	290				
470	10x10.2	260	10x10.2	280	10x10.2	330						
1000	10x10.2	380										