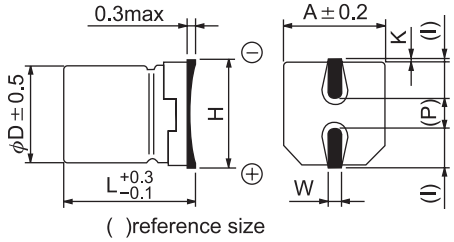
- Height : 5.4mm.
- Load life : 85°C 2000 hours.
- Low leakage current (0.5 μA to 2.0 μA max.)
- Corresponding product to RoHS

SPECIFICATION

Item	Characteristic						
Operation Temperature Range	-40 ~ +85°C						
Rated Working Voltage	6.3 ~ 50VDC						
Capacitance Tolerance (120Hz 20°C)	±20%(M)						
Leakage Current (20°C)	I ≦0.002CV or 0.5 (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)	W.V.	6.3	10	16	25	35	50
	tan δφ	0.24	0.20	0.16	0.14	0.12	0.10
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
	-40°C / +20°C	8	6	4	4	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	≦±25% 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
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 $^{+0.15}_{-0.20}$



( )reference size

CASE SIZE & MAX RIPPLE CURRENT

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

V(DC) / μF / Item	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	10
2.2											4x5.4	15
3.3											4x5.4	18
4.7							4x5.4	19	4x5.4	20	5x5.4	23
10					4x5.4	25	5x5.4	28	5x5.4	30	6.3x5.4	34
22	4x5.4	31	5x5.4	35	5x5.4	39	6.3x5.4	52	6.3x5.4	54		
33	5x5.4	39	5x5.4	43	6.3x5.4	57	6.3x5.4	63				
47	5x5.4	47	6.3x5.4	59	6.3x5.4	68						
100	6.3x5.4	71	6.3x5.4	76								