

Features

- 105°C 1000hours.
- For high density mounting.
- Corresponding product to RoHS

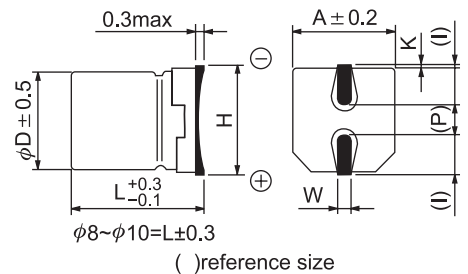


SPECIFICATION

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)				I : Leakage Current (μA)				
	*Whichever is greater after 2 minutes				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 δ	φ4 ~ φ6.3	0.30	0.22	0.16	0.14	0.12	0.12	
		φ8 ~ φ10	0.35	0.26	0.20	0.16	0.14	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		
	-40°C / +20°C	8	6	4	4	3	3		
Load Life	After 1000 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 for 6.3 W.V., ≤ ±25% of initial value for 10~50 W.V.							
	Dissipation Factor	≤ 200% 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 following 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}
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 ^{+0.15} _{-0.20}
10.0	10.2	10.3	12.0MAX	3.5	0.90±0.2	4.6	0.70 ^{+0.15} _{-0.20}



● CASE SIZE & MAX RIPPLE CURRENT

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

V(DC) 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	8
2.2											4x5.4	11
3.3											4x5.4	14
4.7							4x5.4	14	4x5.4	15	5x5.4	19
10					4x5.4	19	5x5.4	23	5x5.4	25	6.3x5.4	31
22	4x5.4	23	5x5.4	29	5x5.4	32	6.3x5.4	39	6.3x5.4	42	8x6.2	60
33	5x5.4	32	5x5.4	35	6.3x5.4	45	6.3x5.4	48	6.3x5.4	50	8x10.2	90
47	5x5.4	38	6.3x5.4	48	6.3x5.4	55	6.3x5.4	60	8x10.2	100	8x10.2	110
							8x6.2	75			10x10.2	120
100	6.3x5.4	65	6.3x5.4	70	6.3x5.4	80	8x10.2	140	8x10.2	150	8x10.2	160
			8x6.2	90	8x10.2	120					10x10.2	170
220	6.3x5.4	95	8x10.2	160	8x10.2	180	8x10.2	200	8x10.2	220	10x10.2	270
					10x10.2	210	10x10.2	230	10x10.2	250		
330	8x10.2	170			8x10.2	220	8x10.2	250	10x10.2	300		
					10x10.2	260	10x10.2	290				
470			8x10.2	230	8x10.2	270	10x10.2	340				
			10x10.2	270	10x10.2	300						
1000	8x10.2	290										
	10x10.2	340										
1500	10x10.2	410										

CHIP TYPE