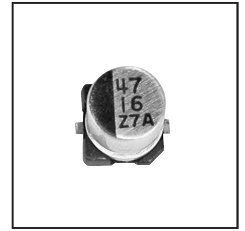


### Features

- Load Life : 105°C, 3000hours.
- For high density mounting.
- Low impedance at 100kHz
- Corresponding product to RoHS

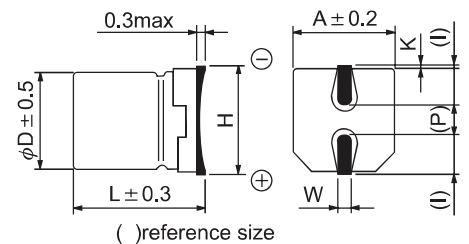


### ● SPECIFICATION

Item	Characteristic								
Operation Temperature Range	-40 ~ +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)	W.V.	6.3	10	16	25	35	50		
	tan δ	0.28	0.24	0.22	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	
	-40°C / +20°C		10	7	5	3	3	3	
Load Life	After 3000 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 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	5.8	4.3	5.5MAX	1.8	0.65±0.1	1.0	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
5.0	5.8	5.3	6.5MAX	2.2	0.65±0.1	1.5	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
6.3	5.8	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
6.3	7.7	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
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 impedance : Ω 20°C 100kHz  
 Max ripple current : mA(rms) 105°C 100kHz

μF	6.3			10			16			25			35			50		
	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.
10													5x5.8	1.30	95	6.3x5.8	2.00	70
22							5x5.8	1.30	95				5x5.8	0.70	140	6.3x5.8	2.00	70
33				5x5.8	1.30	95	6.3x5.8	0.70	140	6.3x5.8	0.70	140	6.3x7.7	0.70	140	6.3x7.7	1.60	100
47	5x5.8	1.30	95	6.3x5.8	0.70	140	6.3x5.8	0.70	140	6.3x5.8	0.70	230	6.3x7.7	0.70	230	6.3x7.7	1.60	100
										6.3x7.7	0.70	230						
100	6.3x5.8	0.70	140	6.3x5.8	0.70	140	6.3x5.8	0.70	140	6.3x7.7	0.70	230	6.3x7.7	0.70	230	8x10.2	0.34	350
							6.3x7.7	0.70	230	8x10.2	0.16	600	8x10.2	0.16	600	10x10.2	0.18	670
150	6.3x5.8	0.70	140	6.3x5.8	0.70	140	6.3x7.7	0.70	230	8x10.2	0.16	600	8x10.2	0.16	600	10x10.2	0.18	670
220	6.3x5.8	0.70	230	6.3x7.7	0.70	230	6.3x7.7	0.70	230	8x10.2	0.16	600	8x10.2	0.16	600	10x10.2	0.18	670
				8x10.2	0.70	600	8x10.2	0.16	600				10x10.2	0.08	850			
330	6.3x7.7	0.70	230	8x10.2	0.16	600	8x10.2	0.16	600	8x10.2	0.15	600	10x10.2	0.08	850			
	8x10.2	0.16	600							10x10.2	0.08	850						
470	8x10.2	0.16	600	8x10.2	0.16	600	8x10.2	0.16	600									
							10x10.2	0.08	850									
1000	10x10.2	0.08	850															

CHIP TYPE