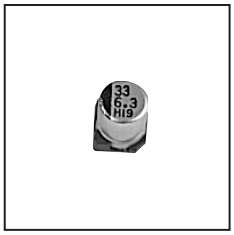


Features

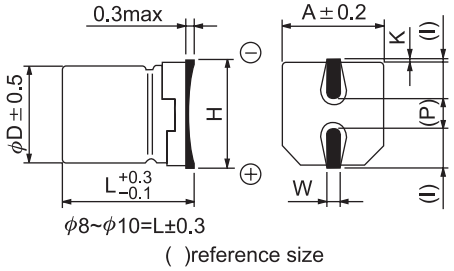
- Load life : 105°C 2000 hours.
- Corresponding product to RoHS

SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-55 ~ +105°C							
Rated Working Voltage	4 ~ 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.	4	6.3	10	16	25	35	50
	S.V.	5	8	13	20	32	44	63
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	4	6.3	10	16	25	35	50
	tan δ φ4 ~ φ6.3	0.50	0.30	0.22	0.16	0.14	0.12	0.12
	tan δ φ8 ~ φ10	0.50	0.35	0.26	0.20	0.16	0.14	0.12
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	4	6.3	10	16	25	35 ~ 50	
	-25°C / +20°C	7	4	3	2	2	2	
	-40°C / +20°C	15	8	6	4	4	3	
Load Life	After 2000 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	≦±25% of initial value (4WV±35%)						
	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 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
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 ±0.20
10.0	10.2	10.3	12.0MAX	3.5	0.90±0.2	4.6	0.70 ±0.20



( )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	4		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.	DxL	R.C.
1.0													4x5.4	8
2.2													4x5.4	12
3.3													4x5.4	15
4.7									4x5.4	15	4x5.4	18	5x5.4	20
6.8									4x5.4	18	5x5.4	22	5x5.4	24
10							4x5.4	20	5x5.4	25	5x5.4	26	6.3x5.4	33
22	4x5.4	20	4x5.4	24	5x5.4	30	5x5.4	34	6.3x5.4	42	6.3x5.4	45	8x10.2	75
33	4x5.4	25	4x5.4	30	5x5.4	37	6.3x5.4	48	6.3x5.4	50	8x6.2	70	8x10.2	90
47	4x5.4	30	5x5.4	41	6.3x5.4	50	6.3x5.4	55	8x6.2	75	8x10.2	100	10x10.2	120
100	5x5.4	49	6.3x5.4	70	6.3x5.4	75	8x10.2	120	8x10.2	140	10x10.2	170		
150	6.3x5.4	70	8x6.2	95	8x6.2	110	8x10.2	150	8x10.2	170				
220	6.3x5.4	85	8x10.2	140	8x10.2	160	10x10.2	210	10x10.2	230				
330	8x10.2	140	8x10.2	170	8x10.2	200	10x10.2	260						
470	8x10.2	170	8x10.2	200	10x10.2	270								