

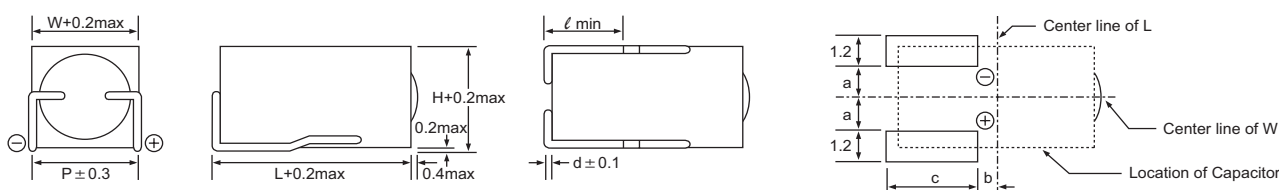
Features

- Height : 3.8mm~4.8mm.
- Load Life : 85°C 2000 hours.



SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-40 ~ +85°C							
Rated Working Voltage	4 ~ 50VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	$I \leq 0.01CV$ or $3 (\mu A)$ *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	50	
	S.V.	5	8	13	20	32	63	
Dissipation Factor ($\tan \delta$) (120Hz 20°C)	W.V.	4	6.3	10	16	25	50	
	$\tan \delta$	0.44	0.35	0.26	0.20	0.16	0.14	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	4	6.3	10	16	25	50	
	-25°C / +20°C	3	3	2	2	2	2	
	-40°C / +20°C	8	6	4	3	3	3	
Load Life	After 2000 hours application of WV at +85°C the capacitor shall meet the following limits.							
	Capacitance Change	≤ With in 3A ±30% of initial value; 3B,4A,4B ±20% of initial value.						
	Dissipation Factor	≤ 300% 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)							



DIMENSIONS (mm)

Case Code	L	W	H	P	l	d	a	b	c	Diameter of lead
3A	6.3	3.6	3.6	3.2	1.6	0.6	1.1	0.6	3.0	0.40
4A	7.1	4.6	4.6	4.2	1.8	0.7	1.6	0.6	3.3	0.45
3B	9.3	3.6	3.6	3.2	1.6	0.6	1.1	2.1	3.0	0.40
4B	10.1	4.6	4.6	4.2	1.8	0.7	1.6	2.1	3.3	0.45

● CASE SIZE & MAX RIPPLE CURRENT

Max impedance : Ω 20°C 100KHz
 Max ripple current : mA(rms) 85°C 100KHz

μF	V(Code) Code	Item	4 (0G)			6.3 (0J)			10 (1A)			16 (1C)			25 (1E)			50 (1H)		
			CASE	IMP.	R.C.	CASE	IMP.	R.C.	CASE	IMP.	R.C.	CASE	IMP.	R.C.	CASE	IMP.	R.C.	CASE	IMP.	R.C.
0.47	R47																3A	8.5	5	
1.0	010																3A	8.5	6	
1.5	1R5																3A	8.5	8	
2.2	2R2																3A	8.5	11	
3.3	3R3																3A	8.5	40	
4.7	4R7																3A	8.5	40	
6.8	6R8																3A	8.5	40	
10	100														3A	8.5	30	3B	4.0	70
																		4A	3.5	100
15	150														3A	8.5	40	3B	4.0	70
																		4A	3.5	100
18	180														3A	8.5	40	4A	3.5	100
22	220														3A	8.5	40	4B	2.0	180
27	270											3A	8.5	40	3B	4.0	70			
															4A	3.5	75	4B	2.0	180
33	330								3A	8.5	40				3B	4.0	70			
															4A	3.5	75	4B	2.0	180
39	390								3A	8.5	40	3B	4.0	70	4A	3.5	100			
47	470					3A	8.5	40				3B	4.0	70	4A	3.5	100			
68	680	3A	8.5	28								3B	4.0	70						
												4A	3.5	100	4B	2.0	180			
82	820								3B	4.0	70	4A	3.5	100	4B	2.0	180			
100	101					3B	4.0	70	4A	3.5	100				4B	2.0	180			
120	121	3B	4.0	70					4A	3.5	100									
150	151					4A	3.5	100				4B	2.0	180						
220	221	4A	3.5	100					4B	2.0	180									
270	271					4B	2.0	180												
330	331	4B	2.0	180	4B	2.0	180													

● PART

