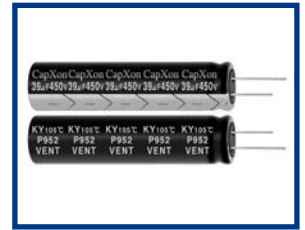


KY Series

Features

- ◆ Load Life:105°C 2000hours.
- ◆ Suitable for slim application
- ◆ For detail specifications, please refer to Engineering Bulletin NO. E171



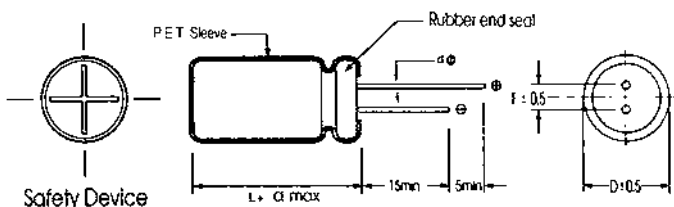
Specifications

Item	Performance Characteristics					
Operating Temperature Range	-25~+105°C					
Rated Voltage Range	250~450 VDC					
Capacitance Tolerance	±20%(120Hz,+20°C)					
Leakage Current (+20°C,max.)	$I \leq 3 \sqrt{CV} (\mu A)$ (After 5 minute with rated working voltage applied.) I= Leakage Current(μA) C= Rated Capacitance V= Rated voltage(V)					
Dissipation Factor ($\tan \delta$, at 20°C , 120Hz)	Working Voltage(VDC)	250	350	400	420	450
	D.F.(%)max.	15	15	15	20	20
Low Temperature Characteristics (at 120Hz)	Impedance ratio max					
	Working voltage(VDC)	250	350~450			
	Z-25°C / Z+20°C	3	8			
Load Life	Test condition Duration time : 2000hrs Ambient temperature : +105°C Applied voltage : Rated DC working voltage					
	After test requirement at +20°C Capacitance change : $\leq \pm 20\%$ of the initial measured value Dissipation factor : $\leq 200\%$ of the initial specified value Leakage current : \leq The initial specified value					

Multiplier for Ripple Current vs. Frequency

Frequency(Hz)		60	120	400	1K	100K
Coefficient	250~350VV	0.8	1.00	1.20	1.30	1.40
	400~450VV	0.8	1.00	1.25	1.40	1.50

Diagram of Dimensions:(unit:mm)



Dφ	8	10~13	
F	3.5	5.0	5.0
dφ	0.6	0.6	0.6
α	1.5	2.0	

Case Size

φ DxL(mm)

WV(SV) Cap(μ F)	250		350		400		420		450	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10										
12									8x30	135
15			8x30	145	8x30	170	8x30	150	8x35	150
22	8x30	200	8x35	185	8x35	220	8x35	195	8x40	195
									10x30	195
27	8x30	220	8x40	220	8x40	255	8x40	230	8x45	230
					10x30	255			10x30	220
33	8x30	240	8x40	250	8x45	280	8x50	300	10x35	255
					10x30	280	10x35	290	10x40	280
39	8x35	270	10x35	300	8x50	330	10x40	315	10x40	300
					10x35	330	13x30	315	10x45	315
									10x50	330
47	8x40	330	10x40	380	10x40	430	10x40	360	10x50	390
					13x30	430	13x30	360		
56	10x35	380	10x45	430	10x50	480	10x50	440	13x35	420
					13x30	450	13x30	400	13x40	450
68	10x35	435	13x35	480	10x55	550	13x35	470	13x40	520
					13x35	520			13x45	550
					13x40	550				
82	10x40	500	13x40	550	13x40	580	13x40	550	13x45	570
100	10x45	585	13x45	600	13x45	620	13x50	620		
					13x50	650				
120	13x35	620			13x55	750				
150	13x40	670								

Ripple Current (mA r.m.s) at 105°C,120Hz