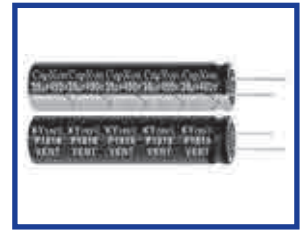


KY Series

Features

- ◆ Endurance: 105°C 2000hours
- ◆ Suitable for slim application



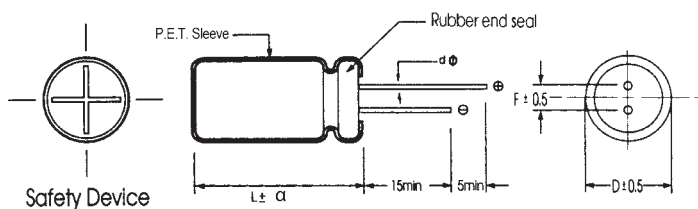
Specifications

Item	Performance Characteristics					
Operating Temperature Range	-25~+105°C					
Rated Voltage Range	250~450 VDC					
Capacitance Range	12~150μF					
Capacitance Tolerance	±20%(120Hz, +20°C)					
Leakage Current (+20°C, max.)	$I \leq 3 \sqrt{CV}$ (μA) (After 5 minute with rated working voltage applied.) I= Leakage Current(μA) C= Rated Capacitance V= Rated voltage(V)					
Dissipation Factor (tan δ , 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			
Endurance	Test condition					
	Duration time	:2000Hrs				
	Ambient temperature	:+105°C				
	Applied voltage	:Rated DC working voltage				
	After test requirement at +20°C					
	Capacitance change	: ≤ ±20% of the initial measured value				
Dissipation factor	: ≤ 200% of the initial specified value					
Leakage current	: ≤ The initial specified value					

Multiplier for Ripple Current vs. Frequency

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

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mArms/105°C /120Hz)
250	22	8x30	200
250	27	8x30	220
250	33	8x30	240
250	39	8x35	270
250	47	8x40	330
250	56	10x35	380
250	68	10x35	435
250	82	10x40	500
250	100	10x45	585
250	120	13x35	620
250	150	13x40	670
350	15	8x30	145
350	22	8x35	185
350	27	8x40	220
350	33	8x40	250
350	39	10x35	300
350	47	10x40	380
350	56	10x45	430
350	68	13x35	480
350	82	13x40	550
350	100	13x45	600
400	15	8x30	170
400	22	8x35	220
400	27	8x40	255
400	27	10x30	255
400	33	8x45	280
400	33	10x30	280
400	39	8x50	330
400	39	10x35	330
400	47	10x40	430
400	47	13x30	430
400	56	10x50	480
400	56	13x30	450
400	68	10x55	550
400	68	13x35	520
400	68	13x40	550

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mArms/105°C /120Hz)
400	82	13x40	580
400	100	13x45	620
400	100	13x50	650
400	120	13x55	750
420	15	8x30	150
420	22	8x35	195
420	27	8x40	230
420	33	8x50	300
420	33	10x35	290
420	39	10x40	315
420	39	13x30	315
420	47	10x40	360
420	47	13x30	360
420	56	10x50	440
420	56	13x30	400
420	68	13x35	470
420	82	13x40	550
420	100	13x50	620
450	12	8x30	135
450	15	8x35	150
450	22	8x40	195
450	22	10x30	195
450	27	8x45	230
450	27	10x30	220
450	33	10x35	255
450	33	10x40	280
450	39	10x40	300
450	39	10x45	315
450	39	10x50	330
450	47	10x50	390
450	56	13x35	420
450	56	13x40	450
450	68	13x40	520
450	68	13x45	550
450	82	13x45	570