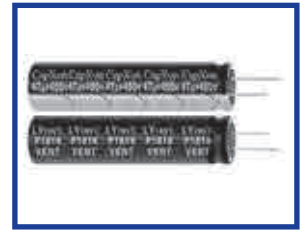


LY Series

Features

- ◆ Endurance: 105°C 5000hours.
- ◆ Suitable for slim application



Specifications

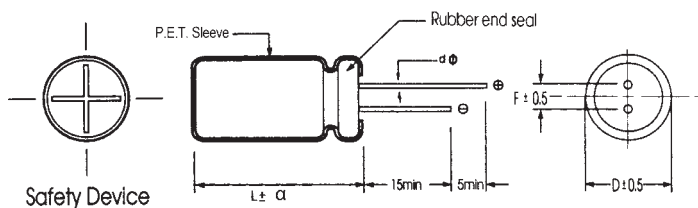
Item	Performance Characteristics
Operating Temperature Range	-25~+105°C
Rated Voltage Range	250~450 VDC
Capacitance Range	12~150μF
Capacitance Tolerance	±20%(120Hz, +20°C)
Leakage Current (+20°C, max.)	$I \leq 3 \sqrt{CV}$ (μA) (After 5 minute with rated working voltage applied.) I= Leakage Current(μA) 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 : 5000hrs 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

Radial

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	130
250	27	8x30	150
250	33	8x35	170
250	39	8x40	200
250	47	8x45	220
250	56	10x35	260
250	56	10x40	300
250	68	10x40	350
250	82	10x45	480
250	100	10x50	550
250	120	13x40	570
250	150	13x45	620
350	15	8x30	110
350	22	8x35	150
350	27	8x40	165
350	33	8x45	195
350	39	10x40	280
350	47	10x45	330
350	56	10x50	380
350	68	13x35	425
350	68	13x40	450
350	82	13x40	500
350	100	13x50	520
400	15	8x30	120
400	22	8x35	160
400	27	8x40	195
400	27	10x30	195
400	33	8x45	250
400	33	10x30	250
400	39	8x50	280
400	39	10x40	300
400	47	10x45	350
400	47	13x30	330
400	56	10x50	400
400	56	13x30	380
400	56	13x35	420
400	68	13x35	440

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mArms/105°C /120Hz)
400	68	13x40	460
400	82	13x45	520
400	100	13x50	580
400	120	13x60	680
420	15	8x30	100
420	22	8x40	180
420	27	8x45	200
420	33	10x35	230
420	39	10x45	275
420	39	13x30	275
420	47	10x45	330
420	47	13x35	360
420	56	10x55	420
420	56	13x35	410
420	68	13x40	450
420	82	13x45	500
420	100	13x50	600
450	12	8x30	110
450	15	8x35	120
450	22	8x45	160
450	22	10x30	150
450	27	8x50	190
450	27	10x35	180
450	33	10x40	220
450	33	10x45	235
450	33	10x50	250
450	39	10x45	260
450	39	10x50	290
450	39	13x35	290
450	47	10x55	350
450	47	13x35	350
450	56	13x35	400
450	56	13x40	425
450	68	13x45	470
450	68	13x50	500
450	82	13x50	530