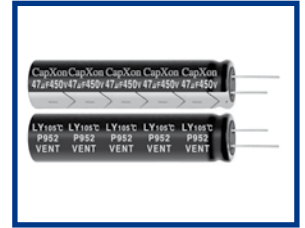


LY Series

Features

- ◆ Load Life: 105°C 5000hours.
- ◆ Suitable for slim application
- ◆ For detail specifications, please refer to Engineering Bulletin NO. E174



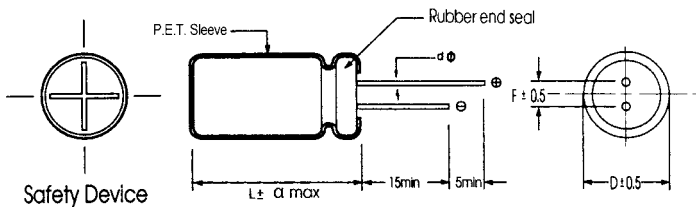
Specifications

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.)	$I \leq 3 \sqrt{CV}$ (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			
Load Life	Z-25°C / Z+20°C	3	8			
	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					

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

φ DxL(mm)

WV Cap(μF)	250		350		400		420		450	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10										
12									8x30	110
15			8x30	110	8x30	120	8x30	100	8x35	120
22	8x30	130	8x35	150	8x35	160	8x40	180	8x45	160
									10x30	150
27	8x30	150	8x40	165	8x40	195	8x45	200	8x50	190
					10x30	195			10x35	180
33	8x35	170	8x45	195	8x45	250	10x35	230	10x40	220
					10x30	250			10x45	235
									10x50	250
39	8x40	200	10x40	280	8x50	280	10x45	275	10x45	260
					10x40	300	13x30	275	10x50	290
									13x35	290
47	8x45	220	10x45	330	10x45	350	10x45	330	10x55	350
					13x30	330	13x35	360	13x35	350
56	10x35	260	10x50	380	10x50	400	10x55	420	13x35	400
	10x40	300			13x30	380	13x35	410	13x40	425
					13x35	420				
68	10x40	350	13x35	425	13x35	440	13x40	450	13x45	470
			13x40	450	13x40	460			13x50	500
82	10x45	480	13x40	500	13x45	520	13x45	500	13x50	530
100	10x50	550	13x50	520	13x50	580	13x50	600		
120	13x40	570			13x60	680				
150	13x45	620								

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