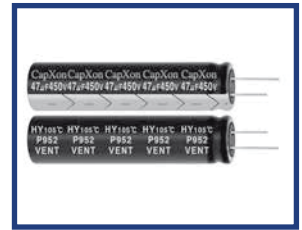


## HY Series

### Features

- ◆ Endurance: 105°C 10000hours.
- ◆ Suitable for slim application
- ◆ High ripple current

LY Long life, high ripple current → HY



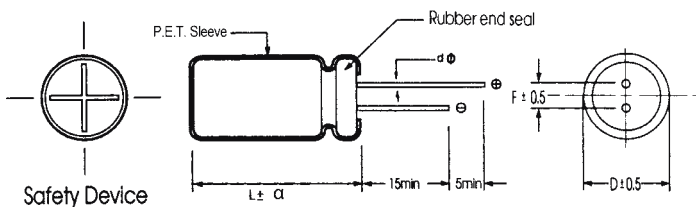
### Specifications

Item	Performance Characteristics		
Operating Temperature Range	-25 to +105°C		
Rated Voltage Range	250~450VDC		
Capacitance Range	12 ~120 μ F		
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)	250~400	420~450
	D.F.(%)max.	20	25
Low Temperature Characteristics (at 120Hz)	Impedance ratio max		
	Working voltage(VDC)	250	350~450
Endurance	Z-25°C / Z+20°C	3	8
	Test condition Duration time : 10000hrs 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	250~350VV	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	14.5
F	3.5	5.0	7.5
dφ	0.6	0.6	0.8
α	1.5	2.0	

## Case Size

φ DxL(mm)

Cap(μF) \ WV	250		350		400		420		450	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
12			8x30	100	8x30	130	8x30	140	8x30	150
15			8x35	130	8x35	180	8x35	170	8x40	190
22	8x35	140	8x40	165	8x45	230	8x50	250	10x30	220
27	8x40 10x30	165 165	10x30	185	10x30	240	10x35	270	10x40	280
33	10x30	180	10x35	200	10x35	290	10x40	370	10x40 13x30	360 370
39	10x35	210	10x40 13x30	285 285	10x40 13x30	400 400	10x45 13x30	410 390	10x50 13x35	410 420
47	10x40 13x30	280 260	10x45 13x30	340 330	10x45 13x30	450 440	10x50 13x35	420 450	10x50 13x40	420 480
56	10x45 13x35	330 330	10x50 13x35	380 360	10x50 13x35	520 500	10x60 13x40	530 520	13x45	530
68	10x50 13x35	380 370	10x60 13x40	450 430	13x40	580	13x45	580	13x50	620
82	10x60 13x40	490 465	13x45	520	13x45	650	13x50	660	13x55	680
100	13x45	500	13x50	580	13x50	680				
120	13x50	580								

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