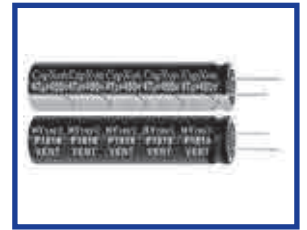


HY Series

LY Long life, high ripple current **HY**



Features

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

Specifications

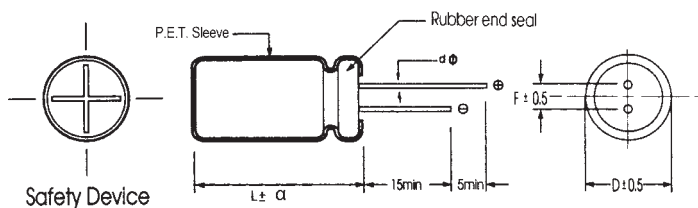
Item	Performance Characteristics		
Operating Temperature Range	-25 to +105°C		
Rated Voltage Range	250~450VDC		
Capacitance Range	12 ~120 μ F		
Capacitance Tolerance	±20%(120Hz, +20°C)		
Leakage Current (+20°C, max.)	$I \leq 3 \sqrt{CV}$ (μA) (After 5 minute with rated working voltage applied.) I= Leakage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

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)



D φ	8	10~13	14.5	15
F	3.5	5.0	7.5	25
d φ	0.6	0.6	0.8	28
α	1.5		2.0	

Case Size

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mA _{rms} /105°C /120Hz)
250	22	8x35	140
250	27	8x40	165
250	27	10x30	165
250	33	10x30	180
250	39	10x35	210
250	47	10x40	280
250	47	13x30	260
250	56	10x45	330
250	56	13x35	330
250	68	10x50	380
250	68	13x35	370
250	82	10x60	490
250	82	13x40	465
250	100	13x45	500
250	120	13x50	580
350	12	8x30	100
350	15	8x35	130
350	22	8x40	165
350	27	10x30	185
350	33	10x35	200
350	39	10x40	285
350	39	13x30	285
350	46	13x35	360
350	47	10x45	340
350	47	13x30	330
350	56	10x50	380
350	68	10x60	450
350	68	13x40	430
350	82	13x45	520
350	100	13x50	580
400	12	8x30	130
400	15	8x35	180
400	22	8x45	230
400	27	10x30	240
400	33	10x35	290

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mA _{rms} /105°C /120Hz)
400	39	10x40	400
400	39	13x30	400
400	47	10x45	450
400	47	13x30	440
400	56	10x50	520
400	56	13x35	500
400	68	13x40	580
400	82	13x45	650
400	100	13x50	680
420	12	8x30	140
420	15	8x35	170
420	22	8x50	250
420	27	10x35	270
420	33	10x40	370
420	39	10x45	410
420	39	13x30	390
420	47	10x50	420
420	47	13x35	450
420	56	10x60	530
420	56	13x40	520
420	68	13x45	580
420	82	13x50	660
450	12	8x30	150
450	15	8x40	190
450	22	10x30	220
450	27	10x40	280
450	33	10x40	360
450	33	13x30	370
450	39	10x50	410
450	39	13x35	420
450	47	10x50	420
450	47	13x40	480
450	56	13x45	530
450	68	13x50	620
450	82	13x55	680