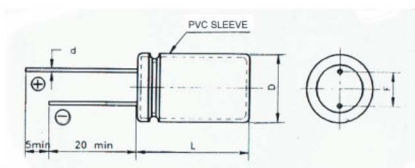


Features

- Long life: 3,000 hours at 105°C.
- Wide operating temperature range.
- Extremely high ripple current at high frequency.
- Suitable for electronic ballasts and other long life equipments.
- Having safety vents.

Characteristics

Item	Characteristics			
Operating temperature range	-40~+105°C (for 160V to 400V), -25~+105°C (for 450V)			
Rated voltage range	160~450V			
Capacitance range	1~100 μF			
Capacitance tolerance (at 20°C, 120Hz)	±20%(M)			
Leakage current(I) (at 20°C)	After 2 minute application of rated voltage. I ≤ 0.02CV + 20 (μA). Where C: Nominal capacitance in μF, V: Rated voltage in V.			
Dissipation factor (Tan δ) (at 20°C, 120Hz)	0.10			
Low temperature characteristics (at 120Hz)	W.V.(V)		16~25	35~100
	impedance ratio ZT/Z+20°C(max)	Z-25°C/Z+20°C	4	6
		Z-40°C/Z+20°C	8	-
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage has been applied for 3,000 hours at 105°C.			
	Capacitance change	≤20% of the initial value		
	tan δ	≤200% of the initial specified value		
Shelf life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 105°C for 1,000 hours without voltage applied			
	Capacitance change	≤20% of the initial value		
	tan δ	≤150% of the initial specified value		
Others	Satisfies characteristic W of JIS C5141			

Dimensions


D ± 0.5	8	10	13	16	18	22
L	± 1.0			± 2.0		
	12	15	16	20	20	25
F ± 0.5	3.5	5.0		7.5		10.0
d ± 0.05	0.5	0.6		0.8		

Case Size DxL(mm), Maximum Impedance (Ω/at 20°C, 100KHz) And Maximum Ripple Current (mA rms/at 105°C, 100KHz)

W.V.(V) Cap.(μF)	160			200			250		
	Size	Z	Ripple	Size	Z	Ripple	Size	Z	Ripple
2.2							8×12	10.98	98
3.3							8×12	7.32	120
4.7				8×12	5.14	144	8×15	4.87	158
6.8	8×12	2.37	173	8×15	3.36	190	10×16	3.49	222
10	8×15	1.52	231	10×16	2.38	269	10×16	2.38	269
15	10×16	1.58	314	10×16	1.58	314	10×20	1.50	346
22	10×20	1.02	419	10×20	1.02	419	13×20	1.09	486
33	13×20	0.73	595	13×20	0.73	595	13×25	0.69	656
47	13×20	0.51	710	13×20	0.48	783	16×25	0.51	880
68	13×25	0.33	914	16×25	0.35	1,058	16×30	0.34	1,146
100	16×25	0.24	1,283	16×30	0.23	1,390	16×35	0.22	1,488

W.V.(V) Cap.(μF)	350			400			450		
	Size	Z	Ripple	Size	Z	Ripple	Size	Z	Ripple
1	8×12	16.10	59	8×12	16.10	59	8×15	17.59	65
2.2	8×15	6.93	97	8×15	6.93	97	10×16	8.31	113
3.3	10×16	4.80	138	10×16	4.80	138	10×16	5.54	138
4.7	10×16	3.37	165	10×16	3.37	165	10×20	3.69	182
10	10×20	2.50	265	13×20	2.00	308	13×25	2.58	339
15	13×20	2.00	359	13×25	1.26	396	16×25	1.99	445
22	16×25	0.91	538	16×25	0.91	538	16×30	1.30	583
33	16×30	0.87	714	16×30	0.87	714	18×35	0.95	816
47	16×35	0.70	913	18×35	0.60	913	18×40	0.70	1,034
68	18×40	0.41	1,244	18×40	0.41	1,244	22×40	0.51	1,390
100	22×40	0.29	1,686	22×40	0.29	1,686			

Note: 8×15 can also be 10×12 as per customer's request.

Ripple Current Multipliers
Frequency multiplying factor

Cap.(μF)	Freq.(Hz)				
	50	120	1K	10K	100K
1~10	0.37	0.47	0.65	0.72	1.00
15~100	0.34	0.50	0.75	0.84	1.00

Temperature multiplying factor

Temperature (°C)	55	65	85	105
	Factor	2.44	2.23	1.73