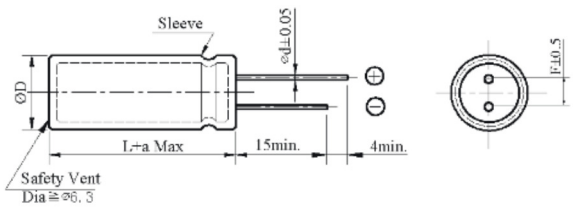
PJ Series

- **For electronic ballast circuits and long life**
- **required applications**
- **High ripple current**
- **Load life: 8,000 to 10,000 hours at 105℃**

◆ SPECIFICATIONS

Item	Performance Characteristics
Category Temperature Range	-25~ +105℃
Working Voltage Range	160 ~ 450Vdc
Capacitance Range	6.8 ~ 330 μF
Capacitance Tolerance	±20% (at 25℃ and 120Hz)
Dissipation Factor (tanδ) (at 25℃, 120Hz)	Rated Voltage (V): 160 / 200 / 250 / 350 / 400 / 450 tanδ(Max): 0.20 / 0.20 / 0.24 / 0.24 / 0.24 / 0.24
Leakage Current	I=0.03CV + 10μA I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 2 minutes.
Endurance	The following requirements shall be satisfied when the capacitor are restored to 25℃ after the rated voltage applied for 10,000 (8,000 hours for Φ 10) hours at 105℃. Capacitance change: ≦ ±20% of the initial value Dissipation factor(tanδ): ≦ 200% of the specified value Leakage current: ≦ specified value
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25℃ after the rated voltage applied for 1,000 hours at 105℃ without voltage applied. Capacitance change: ≦ ±20% of the initial value Dissipation factor(tanδ): ≦ 200% of the specified value Leakage current: ≦ 500% of the specified value
Others	Conforms to JIS-C-5101-4 (1998), characteristic W.

◆ DIMENSIONS (mm)



ΦD	10	12.5 L< 35	12.5 L ≥ 35	16	18
ΦD	ΦD + 0.5 Max				ΦD + 1.0 Max
Φd	0.6	0.6	0.8	0.8	0.8
F	5.0	5.0		7.5	7.5
a	L + 1.5 Max	≦ 35 L+1.5Max ≧ 40 L+2.0 Max		L + 1.5 Max	

◆ PART NUMBERING SYSTEM(Example : 350V 150μF)

P	J	2	V	1	5	1	M	N	N	1	8	4	0						

- Special Request
- Size code(1840 : 18×40)
- Lead length code
- Lead forming Type code
- Capacitance tolerance code(M:±20%)
- Capacitance code (150μF)
- Voltage code (350V)
- Series code (PJ)

PJ Series

◆ **Case size & Permissible rated ripple current: (mA rms) at 105℃ / 120Hz**

Vdc / uF	160		200		250	
	ΦD × L	RC	ΦD × L	RC	ΦD × L	RC
10	10×16	125	10×16	125	10×20	140
22	10×20	200	10×20	200	10×20	200
33	10×20	250	10×20	260	12.5×20	320
47	10×20	300	12.5×20	390	12.5×20	390
68	12.5×20	470	12.5×25	470	16×20	520
82	12.5×20	510	16×20	550	16×20	550
100	12.5×25	620	16×20	630	16×25	680
	16×20	630				
150	16×25	770	16×25	840	18×25	860
220	16×30	1020	18×25	1050	18×31.5	1130
330	18×31.5	1390	18×35.5	1430		

Vdc / uF	350		400		450	
	ΦD × L	RC	ΦD × L	RC	ΦD × L	RC
6.8	10×16	110	10×16	110	10×20	110
10	10×20	140	10×20	140	12.5×20	180
15			12.5×20	220	12.5×25	240
22	12.5×20	260	12.5×25	260	16×20	290
33	16×20	360	16×20	360	16×25	390
					18×20	380
47	16×25	430	16×25	470	18×25	480
			18×20	450		
68	16×30	560	18×25	585	18×31.5	630
	18×20	550				
82	18×25	610	18×30	610	18×35.5	715
100	18×30	700	18×31.5	765	18×40	800
120	18×31.5	830	18×35.5	865		
150	18×40	960	18×45	985		

◆ **RIPPLE CURRENT MULTIPLIERS**

Frequency Multipliers

Vdc	Frequency (Hz)				
	50	120	1K	10K	100K
160 ~ 450	0.80	1.00	1.30	1.40	1.50