

PK SERIES

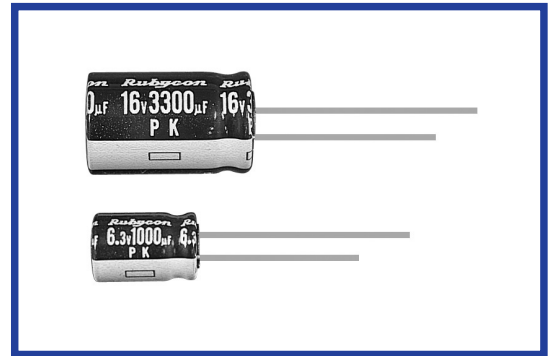
85°C Standard

◆FEATURES

- Load life : 85°C 2000 hours.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics																
Category Temperature Range	-40~+85℃										-25~+85℃						
Rated Voltage Range	6.3~400V.DC										450V.DC						
Capacitance Tolerance	±20%(20℃, 120Hz)																
Leakage Current(MAX)	6.3~100V.DC										160~450V.DC						
	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage)										CV≤1000					CV>1000	
											I=0.1CV+40μA (1minute) I=0.03CV+15μA (5minutes)					I=0.04CV+100μA (1minute) I=0.02CV+25μA (5minutes)	
	I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)																
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V) 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (20℃, 120Hz)																
	tanδ 0.28 0.24 0.20 0.16 0.14 0.12 0.10 0.10 0.20 0.20 0.20 0.25 0.25 0.25																
When capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.																	
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 85℃, the capacitors shall meet the following requirements.																
	Capacitance Change					Within ±25% of the initial value.											
	Dissipation Factor					Not more than 200% of the specified value.											
	Leakage Current					Not more than the specified value.											
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V) 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (120Hz)																
	Z(-25℃)/Z(20℃) 5 4 3 2 2 2 2 2 3 3 4 5 5 7																
	Z(-40℃)/Z(20℃) 12 10 8 5 4 3 3 3 4 4 8 8 10 -																

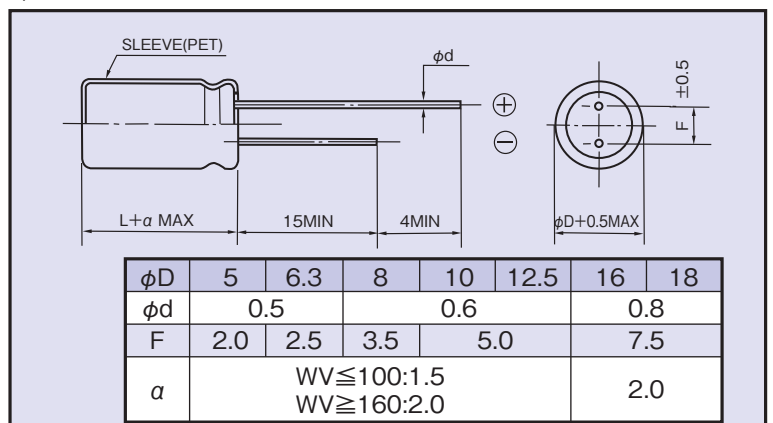


◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)		60(50)	120	500	1k	10k≤
Coefficient	0.47~1μF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7μF	0.65	1.00	1.20	1.30	1.50
	10~47μF	0.80	1.00	1.20	1.30	1.50
	100~1000μF	0.80	1.00	1.10	1.15	1.20
	2200~33000μF	0.80	1.00	1.05	1.10	1.15

◆DIMENSIONS

(mm)



◆OPTION

	Code
PET Sleeve	EFC

◆PART NUMBER

□□□ PK □□□□□ M □□□ □□ D×L
 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆ **STANDARD SIZE**

Size $\phi D \times L$ (mm), Ripple Current (mA r.m.s./85°C, 120Hz)

V.DC Cap(μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1											5×11	13		
2.2											5×11	23		
3.3											5×11	35		
4.7											5×11	41		
10											5×11	60	5×11	70
22									5×11	90	5×11	95	5×11	110
33							5×11	98	5×11	110	5×11	130	6.3×11	140
47					5X11	115	5×11	120	5×11	135	6.3×11	160	6.3×11	190
100	5×11	135	5×11	140	5X11	175	5×11	185	6.3×11	215	8×11.5	270	8×11.5	290
220	5×11	220	5×11	230	6.3X11	280	6.3×11	310	8×11.5	370	10×12.5	435	10×16	490
330	6.3×11	280	6.3×11	310	6.3X11	360	8×11.5	410	10×12.5	500	10×16	590	10×20	710
470	6.3×11	360	6.3×11	400	8X11.5	460	8×11.5	550	10×12.5	680	10×20	760	12.5×20	900
680	6.3×11	460	8×11.5	580	8X11.5	620	10×12.5	780	10×16	910	12.5×20	1000	12.5×25	1200
1000	8×11.5													

[illegible]