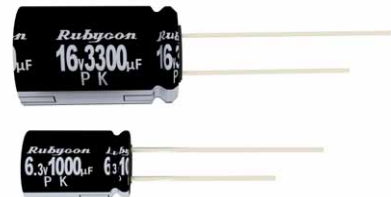


PK SERIES

85°C Standard

*Load Life : 85°C 2000 hours.

RoHS
compliance



◆SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	-40~+85°C	-25~+85°C
Rated Voltage Range	6.3~400Vdc	450Vdc
Capacitance Tolerance	±20%(20°C, 120Hz)	
Leakage Current(MAX)	6.3~100Vdc	160~450Vdc
	I=0.01CV or 3µA whichever is greater. (After 2 minutes application of rated voltage)	CV≤1000
		I=0.1CV+40µA (1minute) I=0.03CV+15µA (5minutes)
		CV>1000 I=0.04CV+100µA (1minute) I=0.02CV+25µA (5minutes)
Dissipation Factor(MAX) (tanδ)	I=Leakage Current(µA)	C=Capacitance(µF) V=Rated Voltage(Vdc)
	Rated Voltage (Vdc)	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (20°C, 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
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 85°C, 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.
Low Temperature Stability Impedance Ratio(MAX)	Leakage Current	Not more than the specified value.
	Rated Voltage (Vdc)	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (120Hz)
	Z(-25°C)/Z(20°C)	5 4 3 2 2 2 2 2 3 3 4 5 5 7
	Z(-40°C)/Z(20°C)	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≤
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

◆OPTION

	Code
PET Sleeve	EFC

◆DIMENSIONS

(mm)

Technical drawing of a sleeve (PET) assembly. The side view shows a sleeve with a flange on the left and a rod passing through it. Dimensions include $L+\alpha$ MAX for the sleeve length, 15MIN for the rod length inside the sleeve, and 4MIN for the rod length outside the sleeve. The rod diameter is ϕd . The end view shows a circular cross-section with a diameter of $\phi D+0.5$ MAX and a distance F from the center to the edge, with a tolerance of ± 0.5 . The sleeve is labeled SLEEVE(PET).

ϕD	5	6.3	8	10	12.5	16	18
ϕd	0.5		0.6			0.8	
F	2.0	2.5	3.5	5.0		7.5	
α	$V_{dc} \leq 100 : \alpha = 1.5$ $V_{dc} \geq 160 : \alpha = 2.0$					2.0	

◆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), Rated Ripple Current (mA r.m.s./85°C, 120Hz)[illegible][illegible]