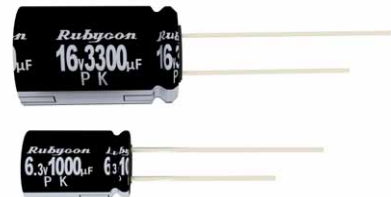


PK SERIES

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)	
	(20°C, 120Hz)	
Endurance	Rated Voltage (Vdc)	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450
	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.	
Low Temperature Stability Impedance Ratio(MAX)	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.
	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
	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≤
Coefficient	0.47~1μF	0.50	1.00	1.20	1.30
	2.2~4.7μF	0.65	1.00	1.20	1.30
	10~47μF	0.80	1.00	1.20	1.30
	100~1000μF	0.80	1.00	1.10	1.15
	2200~33000μF	0.80	1.00	1.05	1.10

◆DIMENSIONS

(mm)

SLEEVE(PET)		φd	+	φD	±0.5
L+α MAX	15MIN	4MIN		φD+0.5MAX	
φD	5	6.3	8	10	12.5
φd	0.5			0.6	0.8
F	2.0	2.5	3.5	5.0	7.5
α	Vdc≤100 : α=1.5 Vdc≥160 : α=2.0				2.0

◆OPTION

	Code
PET Sleeve	EFC

◆PART NUMBER

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

◆ **STANDARD SIZE**

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