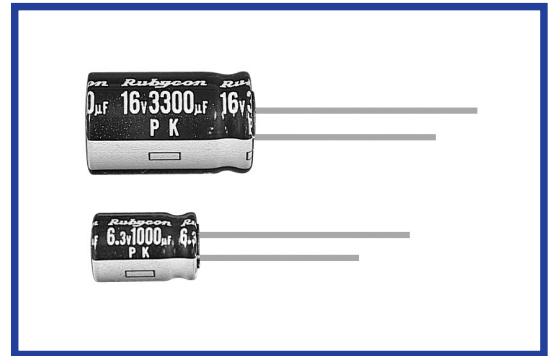


PK SERIES

85°C Standard

◆FEATURES

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



◆SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-40~+85°C	-25~+85°C	
Rated Voltage Range	6.3~400V.DC	450V.DC	
Capacitance Tolerance	±20%(20°C, 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)
(tanδ) Dissipation Factor(MAX)	I=(µA) Leakage Current C=(µF) Rated Capacitance V=(V) Rated Voltage		
	Rated Voltage	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)	Rated Voltage	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 Coefficient

Coefficient	(Hz) Frequency	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)

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	100V以下		WV≤100:1.5			2.0	
	160V以上		WV≥160:2.0				

◆PART NUMBER

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

