

RADIAL TYPE

SK Series

Standard, For General Purposes

JAMICON®

- SK series has high value of CV for general purposes.



● SPECIFICATION

Item	Characteristic															
Operation Temperature Range	-40 ~ +85°C								-25 ~ +85°C							
Rated Working Voltage	6.3 ~ 100VDC								160 ~ 450VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)															
Leakage Current (20°C)	6.3~100 VDC I ≤0.01CV or 4 (μA)								160~450 VDC I ≤0.03CV + 40 (μA)max							
	*Whichever is greater after 3 minutes															
	I : Leakage Current(μA) C : Rated Capacitance(μF) V : Working Voltage(V)															
Surge Voltage (20°C)	W.V.	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	
	S.V.	8	13	20	32	44	63	79	125	200	250	300	400	450	500	
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more than 1000 μF															
	W.V.	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	
	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.10	0.08	0.15	0.15	0.15	0.20	0.20	0.20	
Low Temperature Stability	Impedance ratio at 120Hz															
	Rated Voltage (V)		6.3	10	16	25	35	50	63	100	160	250	350	400	450	
	-25°C / +20°C		4	3	2	2	2	2	3	6	15					
	-40°C / +20°C		8	6	4	3	3	6	6							
Load Life	After 2000 hours application of W.V. and +85°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rated working voltage)															
	Capacitance Change		≤ ± 20% of initial value													
	Dissipation Factor		≤150% of initial specified value													
	Leakage current		≤initial specified value													
Shelf Life	At +85°C no voltage application after 1000 hours the capacitor shall meet the following limits. (with voltage treatment)															
	Capacitance Change		≤ ± 20% of initial value													
	Dissipation Factor		≤200% of initial specified value													
	Leakage current		≤200% of initial specified value													

● DIMENSIONS (mm)

φD	5	6.3	8	10	12.5	16	18	22	25
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0	12.5
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8	1.0	1.0
α	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0

● RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	65	75	85
Multiplier	1.25	1.14	1.00

Frequency(Hz)	60	120	1k	≥10k
W.V.	Multiplier			
6.3~25V	0.85	1.00	1.10	1.20
35~100V	0.80	1.00	1.15	1.25
160~250V	0.75	1.00	1.25	1.40
350~450V	0.70	1.00	1.30	1.50

