

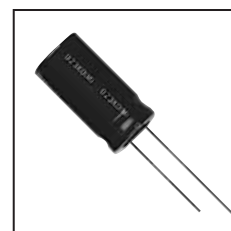
RADIAL TYPE

TX Series

High Ripple Current, High Reliability

JAMICON®

- High ripple current, low E.S.R. and long life
- Suitable for electronic ballast, adaptor and switching power

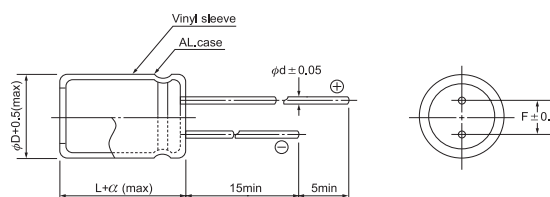


● SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-40 ~ +105°C				-25 ~ +105°C			
Rated Working Voltage	160 ~ 400VDC				450VDC			
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	$I \leq 0.06CV + 10 (\mu A)$ Whichever is greater after 2 minutes				I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)			
Surge Voltage (20°C)	W.V.	160	200	250	350	400	450	
	S.V.	200	250	300	400	450	500	
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	160	200	250	350	400	450	
	tan δ	0.15	0.15	0.15	0.24	0.24	0.24	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	160 ~ 250			350 ~ 400		450	
	-25°C / +20°C	3			6		6	
	-40°C / +20°C	4			6		—	
Load Life	After hours ($\phi D \leq 8mm$ 3000 hours $\phi D \geq 10mm$ 5000 hours) application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage \leq rate working voltage)							
	Capacitance Change	$\leq \pm 20\%$ of initial value						
	Dissipation Factor	$\leq 200\%$ of initial specified value						
	Leakage current	\leq initial specified value						
Shelf Life	At + 105°C no voltage application after 1000 hours. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hrs and not more than 48 hrs before measurement. Cap & DF shall meet the limits for load life characteristics, Leakage current $\leq 500\%$ of the initial specified value							

● DIMENSIONS (mm)

ϕD	10	12.5	16	18
F	5.0	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8
α	1.5	1.5	1.5	1.5



● RIPPLE CURRENT COEFFICIENTS

Temperature(°c)	65	75	85	95	105
Multiplier	1.80	1.65	1.50	1.25	1.00

Frequency (Hz)	120	1k	10k	100k
W.V.	Multiplier			
160~450	0.50	0.80	0.90	1.00

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max impedance : Ω 20°C 100kHz
 Max ripple current : mA(rms) 105°C 100kHz

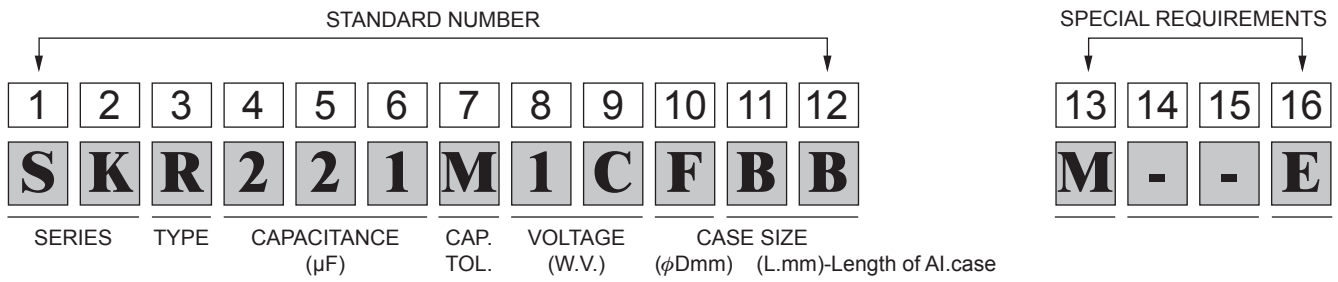
μF	V(Code) Code	Item	160 (2C)			200 (2D)			250 (2E)		
			DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.
10	100						→	10x20	3.18	240	
22	220		10x20	1.47	350	10x20	1.47	350	12.5x20	1.74	380
33	330		10x20	1.15	430	12.5x20	1.15	460	12.5x25	1.35	510
47	470		12.5x20	0.92	550	12.5x20	0.92	550	12.5x25	1.08	610
68	680		12.5x25	0.71	730	12.5x25	0.71	730	16x25	0.84	730
100	101		16x25	0.59	890	16x25	0.59	890	16x31.5	0.70	980
150	151		16x31.5	0.41	1210	16x31.5	0.41	1210	18x31.5	0.49	1290
220	221		16x31.5	0.31	1460	18x35.5	0.31	1640	18x40	0.36	1730
330	331		18x35.5	0.25	2010						

μF	V(Code) Code	Item	350 (2V)			400 (2G)			450 (2W)		
			DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.
3.3	3R3						→	10x20	4.47	150	
4.7	4R7						→	12.5x20	3.77	190	
10	100		10x20	2.94	220	10x20	2.94	290	12.5x25	2.95	300
22	220		12.5x20	1.60	340	12.5x25	1.60	460	16x25	1.61	450
33	330		12.5x25	1.25	460	12.5x25	1.25	620	16x31.5	1.25	620
47	470		16x25	1.00	560	16x25	1.00	740	18x31.5	1.01	780
68	680		16x31.5	0.78	740	16x31.5	0.78	990	18x35.5	0.78	990
100	101		18x35.5	0.65	1010	18x35.5	0.65	1350			

All blank voltage on sleeve marking is the same voltage as " → "point to.

PARTS NUMBER SYSTEM

JAMICON®



Series			Code	Type	Description	CAP (μF)	Code	Tolerance (%)	Code	Voltage (W.V.)	Code	Diameter (φ)	Code	Length (L)	Code	Code	Description
PS	SS	UK	R	Radial	Bulk	0.1	OR1	+10	K	2.5	0E	3	A	11	11	W	Without Sleeve
PT	SH	NC				0.22	R22	-10		4	0G	3.8	S	11.5	BB		Customer Assign
PH	SL	RV	P	Radial	Taping (Ammo Pack)	0.33	R33	+15	L	6.3	0J	4	C	12.5	BC	1~9	Customer Assign
PC	NS	LP				0.47	R47	-15		10	1A	5	D	31.5	DB		
PF	SK	HP	C	Radial	Lead Cut	1	010	+20	M	13	1P	6	W	35.5	DF	a~	Brand
PB	SM	LS				2.2	2R2	-20		16	1C	6.3	E	100	1H		
CS	TK	HS	F	Radial	Lead Forming Cut	3.3	3R3	+100	P	20	1D	7	Y	110	1A	Code	Description
CA	TM	HM				4.7	4R7	-0		25	1E	8	F	115	1K		
CN	NK	LT	B	Radial	Lead Forming Only	10	100	+30	Q	35	1V	10	G	120	1B	E	PET Sleeve
CR	LK	LL				22	220	-10		40	1G	12	H	121	1M		
CT	MZ	HT	Y	Radial	Lead Snap in	33	330	+20	R	50	1H	12.5	I	130	1C	Code	Description
CE	TB	HV				47	470	-0		63	1J	13	J	131	1P		
CP	TP	HL	W	Lug	Snap in Terminal	100	101	+50	T	80	1K	16	K	140	1D	Code	Description
CH	WL	HF				220	221	-10		100	2A	18	L	144	1Q		
CU	WJ	HX	G	Lug	G Type Terminal	330	331	+75	U	125	2B	20	M	150	1E	Code	Description
CL	WG	KP				470	471	-10		160	2C	22	N	155	1N		
CF	TL	MP	V	Lug	V Type Terminal	1000	102	+20	V	180	2M	25	O	157	1R	Code	Description
CK	TZ	GP				2200	222	-10		200	2D	30	P	160	1F		
CZ	TC	RP	S	Screw	Screw Terminal Type	3300	332	+20	H	250	2E	35	Q	170	1G	Code	Description
CD	TH	XP				4700	472	-5		315	2F	40	R	180	1I		
CJ	TX	BP	M	Chip	Surface Mount Type	10000	103	+30	F	330	2U	51	V	190	1J	Code	Description
CB	TJ	FP				22000	223	-0		350	2V	64	1	196	1S		
SV	TF	EP				33000	333	+100	W	400	2G	77	2	215	1L	Code	Description
ST	TA					47000	473	-10		450	2W	90	3	236	1T		
NT	WB									500	2H						