

Jamicon Series : SK

Teapo Series : SK Standard Series

550V
LINE
UP



■ Endurance: 85°C 2000hours

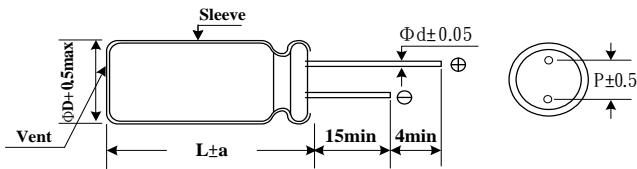
■ Recommended Applications :For general purpose , decoupling , by pass and filtering circuit in entertainment electronics

■ Corresponding product to RoHS

SPECIFICATIONS

Item	Characteristics										
Category Temperature Range	-40~+85°C				-40~+85°C				-25~+85°C		
Rated Voltage Range	6.3 ~ 100VDC				160 ~ 450VDC				500~550VDC		
Rated Capacitance Range	1~ 22000 μ F				1 ~ 470 μ F				2.2~82 μ F		
Capacitance Tolerance	\pm 20 % (120Hz , 20°C)				\pm 20 % (120Hz , 20°C)				\pm 20 % (120Hz , 20°C)		
Leakage Current (20°C)	I=0.01CV or 3 μ A whichever is greater.				I=0.03CV+10(μ A)				I=0.03CV+10(μ A)		
	(After rated voltage applied for 2 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V)										
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	6.3	10	16	25	35~40	50~63	100	160~250	350~450	500~550
	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.15	0.20	0.24
When nominal capacitance is over 1000 μ F,tan δ shall be added 0.02 to the listed value with increase of every 1000 μ F.											
Low Temperature Stability Impedance Ratio (MAX)	Z(120Hz)	6.3	10	16	25	35~100	160~250	315~350	400~550		
	Z-25°C / Z+20°C	8	6	5	3	3	7	10	15		
	Z-40°C / Z+20°C	10	8	6	4	3	—	—	—		
Endurance	After applying rated voltage for 2000 hours at 85°C,Stay back to 20 °C temperature measurement, the capacitors shall meet the following requirements.										
	Capacitance change	Within \pm 20% of initial value									
	D.F. (tan δ)	Not more than 200% of specified value									
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for1,000 hours at 85°C without voltage applied.										
	Leakage current	initial specified value or less									

Dimensions [mm]



ΦD	5	6.3	8	10	13	16	18	22
P	2.0	2.5	3.5	5.0		7.5		10.0
Φd	0.5	0.5	0.6	0.6		0.8		1.0
a	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0

Multiplier for Ripple Current

Freq. (Hz)	60	120	1K	\geq 10K
6.3~25V	0.85	1.00	1.10	1.20
35 ~ 100V	0.80	1.00	1.15	1.25
160 ~ 200V	0.75	1.00	1.25	1.40
350 ~ 450V	0.70	1.00	1.30	1.50
500~550V	0.60	1.00	1.10	1.15

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms85°C) (120Hz)	
6.3 (8)	22	5x11	0.22	50	25 (32)	220	8x11	0.14	390	
	33	5x11	0.22	65		330	8x11	0.14	480	
	47	5x11	0.22	105		470	8x15	0.14	530	
	100	5x11	0.22	160			10x12.5	0.14	600	
	220	5x11	0.22	240		680	10x15	0.14	760	
		6.3x11	0.22	270			1000	10x20	0.14	1080
	330	6.3x11	0.22	330		13x16		0.14	1070	
	470	6.3x11	0.22	390		2200	13x25	0.16	1760	
	680	8x11	0.22	520		3300	16x25	0.18	2040	
		8x11	0.22	670		4700	16x32	0.20	2500	
	1000		10x12.5	0.22		700	6800	18x36	0.24	3100
		2200	10x20	0.24		1220	10000	22x40	0.32	3700
	3300	10x20	0.26	1440		15000	22x40	0.42	3980	
	4700	13x20	0.28	1730		35 (44)	10	5x11	0.12	70
	6800	13x25	0.32	2160			22	5x11	0.12	100
	10000	16x25	0.40	2390			33	5x11	0.12	120
15000	16x36	0.50	3050	47	5x11		0.12	150		
22000	18x40	0.64	3680	100	6.3x11		0.12	240		
10 (13)	10	5x11	0.19	50	220		8x11	0.12	420	
	22	5x11	0.19	60	330		10x12.5	0.12	550	
	33	5x11	0.19	80	470		10x15	0.12	700	
	47	5x11	0.19	110	680		10x20	0.12	900	
	100	5x11	0.19	180	1000		13x20	0.12	1240	
	220	6.3x11	0.19	290	2200		16x25	0.14	1890	
	330	6.3x11	0.19	350	3300		16x36	0.16	2530	
	470	6.3x11	0.19	420			18x32	0.16	2450	
	680	8x11	0.19	520	4700		18x36	0.18	2960	
	1000	10x12.5	0.19	760	6800		22x40	0.22	3600	
	2200	10x20	0.21	1310	50 (63)		10	5x11	0.10	75
	3300	13x20	0.23	1630		22	5x11	0.10	110	
	4700	13x25	0.25	2020		33	5x11	0.10	140	
	6800	16x25	0.29	2270		47	6.3x11	0.10	180	
		16x36	0.37	2900		100	8x11	0.10	310	
	18x32		0.37	3000		220	10x12.5	0.10	490	
15000		18x36	0.47	3360		330	10x15	0.10	650	
22000	22x40	0.59	4000	470		10x20	0.10	820		
16 (20)	10	5x11	0.16	50		1000	13x25	0.10	1500	
	22	5x11	0.16	75		2200	16x36	0.12	2390	
	33	5x11	0.16	110			18x32	0.12	2400	
	47	5x11	0.16	130		3300	18x36	0.14	2890	
	68	5x11	0.16	150		4700	22x40	0.16	3500	
	100	6.3x11	0.16	250		63 (79)	10	5x11	0.10	75
	150	6.3x11	0.16	205			22	5x11	0.10	110
	220	6.3x11	0.16	310				6.3x11	0.10	130
	330	8x11	0.16	450	33		6.3x11	0.10	150	
		10x12.5	0.16	470	47		6.3x11	0.10	190	
	470	8x11	0.16	540	100		10x12.5	0.10	330	
	680	10x12.5	0.16	700	220		10x15	0.10	520	
	1000	10x16	0.16	920			10x20	0.10	600	
	2200	13x20	0.18	1510	330		10x20	0.10	730	
	3300	13x25	0.20	1930	470		13x20	0.10	930	
	4700	16x25	0.22	2160	680		13x25	0.10	1200	
6800	16x32	0.26	2650	1000	16x25		0.10	1510		
		0.34	3230	2200	18x36		0.12	2350		
10000	18x36	0.34	3230	3300	22x40		0.14	3200		
15000	22x40	0.44	4090	100 (125)	10		5x11	0.08	80	
22000	22x40	0.58	4200		22		6.3x11	0.08	95	
10	5x11	0.14	60			6.3x11	0.08	140		
	22	5x11	0.14		95	8x11	0.08	160		
33	5x11	0.14	115		33	8x11	0.08	200		
47	5x11	0.14	140		47	10x12.5	0.08	250		
68	5x11	0.14	150	68	10x15	0.08	315			
100	6.3x11	0.14	230							

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100 (125)	100	10x20	0.08	450	250 (300)	100	16x25	0.15	485	
	150	13x20	0.08	600		150	16x32	0.15	650	
	220	13x25	0.08	790		220	18x36	0.15	900	
	160 (200)	330	13x25	0.08	960	350 (400)	1.0	6.3x11	0.20	25
		470	16x25	0.08	1160		2.2	8x11	0.20	43
		680	16x36	0.08	1500		3.3	8x11	0.20	45
		1000	18x40	0.08	2220		4.7	10x12.5	0.20	65
200 (250)		1	5x11	0.15	20		10	10x15	0.20	100
		2.2	6.3x11	0.15	25		22	13x20	0.20	190
		3.3	6.3x11	0.15	37		33	13x25	0.20	250
		4.7	6.3x11	0.15	45		47	16x25	0.20	300
		10	8x11	0.15	90		100	16x36	0.20	510
		22	10x15	0.15	150		18x32	0.20	520	
		33	10x15	0.15	160	400 (450)	4.7	8x11	0.20	55
		47	10x20	0.15	210		6.8	10x12.5	0.20	65
		68	13x20	0.15	255		8x15	0.20	65	
		100	13x25	0.15	440		10x12.5	0.20	70	
	150	16x25	0.15	570	10		10x15	0.20	100	
	220	16x32	0.15	660	22		13x20	0.20	190	
	330	18x36	0.15	1000	33		13x25	0.20	230	
	470	22x40	0.15	1400	47		16x25	0.20	290	
250 (300)	1	5x11	0.15	22	68		16x32	0.20	370	
	2.2	6.3x11	0.15	39	18x25		0.20	350		
	3.3	6.3x11	0.15	48	100	18x32	0.20	515		
	4.7	6.3x11	0.15	55	150	18x40	0.20	700		
	6.8	8x11	0.15	70	450 (500)	2.2	10x12.5	0.20	45	
	10	8x11	0.15	80		3.3	10x12.5	0.20	52	
	22	10x15	0.15	160		4.7	10x12.5	0.20	58	
	33	10x20	0.15	210		6.8	10x15	0.20	70	
	47	10x20	0.15	240		10	13x20	0.20	130	
	68	13x25	0.15	340		22	13x25	0.20	185	
	100	16x25	0.15	470		33	16x25	0.20	250	
	220	16x32	0.15	690	47	18x36	0.20	370		
	300 (360)	1	5x11	0.15	23	500(550)	4.7	10x12.5	0.24	40
		2.2	6.3x11	0.15	29		6.8	10x15	0.24	50
3.3		8x11	0.15	43	10		10x20	0.24	70	
4.7		8x11	0.15	48	15		13x16	0.24	90	
6.8		8x11	0.15	60	22		13x25	0.24	130	
10		10x12.5	0.15	105	33		16x25	0.24	200	
22		10x20	0.15	180	47		18x32	0.24	230	
33		13x20	0.15	270	550 (600)	4.7	10x12.5	0.24	45	
47		13x25	0.15	350		6.8	10x15	0.24	55	
350 (420)		1	5x11	0.15		20	10	10x20	0.24	75
		2.2	6.3x11	0.15		25	12	10x20	0.24	85
		3.3	6.3x11	0.15		37	15	13x16	0.24	100
		4.7	6.3x11	0.15		45	18	13x20	0.24	120
		10	8x11	0.15		90	22	13x25	0.24	145
	22	10x15	0.15	150	33	16x30	0.24	215		
	33	10x20	0.15	210	47	18x32	0.24	250		
	47	10x20	0.15	230	68	18x36	0.24	320		
	68	13x20	0.15	255	82	18x40	0.24	360		
	100	13x25	0.15	440						
	150	16x25	0.15	570						
	220	16x32	0.15	660						
	330	18x36	0.15	1000						
	470	22x40	0.15	1400						