

Jamicon Series : SK

Teapo Series : SK Standard Series

550V
LINE
UP



■ Endurance: 85°C 2000hours

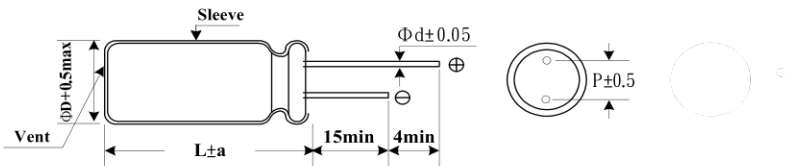
■ Recommended Applications :For general purpose , decoupling , by pass and filtering circuit in entertainment electronics

■ Corresponding product to RoHS

SPECIFICATIONS

Item	Characteristics										
	-40~+85°C			-40~+85°C				-25~+85°C			
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)	WV	6.3	10	16	25	35~100	160~250	315~350	400~550		
	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									
	Leakage current	initial specified value or less									
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.										

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	
	1000	8x11	0.22	670		4700	16x32	0.20	2500	
		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	5x11	0.19		50		220	8x11	0.12	420
22	5x11	0.19	60	50 (63)	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		63 (79)		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	
10000	16x36	0.37	2900			100	8x11	0.10	310	
	18x32	0.37	3000				220	10x12.5	0.10	490
15000	18x36	0.47	3360			3300	10x15	0.10	650	
22000	22x40	0.59	4000	470			10x20	0.10	820	
	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	100 (125)		10	5x11	0.08	80	
150	6.3x11	0.16	205			22	6.3x11	0.08	95	
220	6.3x11	0.16	310				6.3x11	0.08	140	
330	8x11	0.16	450		33	8x11	0.08	160		
	10x12.5	0.16	470			47	8x11	0.08	200	
470	8x11	0.16	540		100		10x12.5	0.08	250	
680	10x12.5	0.16	700			68	10x15	0.08	315	
1000	10x16	0.16	920		63 (79)	10	5x11	0.10	75	
2200	13x20	0.18	1510			22	5x11	0.10	110	
3300	13x25	0.20	1930				6.3x11	0.10	130	
4700	16x25	0.22	2160			33	6.3x11	0.10	150	
6800	16x32	0.26	2650			47	6.3x11	0.10	190	
10000	18x36	0.34	3230				100	10x12.5	0.10	330
	15000	22x40	0.44			4090		10x15	0.10	520
22000	22x40	0.58	4200			220	10x20	0.10	600	
	10	5x11	0.14				60	330	10x20	0.10
22	5x11	0.14	95	470		13x20	0.10	930		
33	5x11	0.14	115			680	13x25	0.10	1200	
47	5x11	0.14	140	1000		16x25	0.10	1510		
68	5x11	0.14	150	2200		18x36	0.12	2350		
100	6.3x11	0.14	230	3300		22x40	0.14	3200		

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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	55		100	16x36	0.20	510	
		22	10x15	0.15	90			18x32	0.20	520	
		250 (300)	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	230			8x15	0.20	65
			100	13x25	0.15	255		10x12.5	0.20	70	
	150		16x25	0.15	290	10		10x15	0.20	100	
	220		16x32	0.15	340	22		13x20	0.20	190	
	330		18x36	0.15	440	33		13x25	0.20	230	
	470		22x40	0.15	570	47		16x25	0.20	290	
300 (360)	1		5x11	0.15	22	450 (500)		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		500(550)	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	13x20	0.15	290	22			13x25	0.20	185	
	100	16x25	0.15	340	33	16x25	0.20	250			
	350 (420)	100	16x25	0.15	470	47	18x36	0.20	370		
		220	16x32	0.15	690	550 (600)	4.7	10x12.5	0.24	40	
		330	18x25	0.15	665		6.8	10x15	0.24	50	
470		16x40	0.15	1000	10		10x20	0.24	70		
		18x32	0.15	970	15		13x16	0.24	90		
400 (480)		1	5x11	0.15	23		22	13x25	0.24	130	
		2.2	6.3x11	0.15	29		33	16x25	0.24	200	
		3.3	6.3x11	0.15	43	47	18x32	0.24	230		
		4.7	8x11	0.15	48	550 (600)	4.7	10x12.5	0.24	45	
		10	8x11	0.15	60		6.8	10x15	0.24	55	
		22	10x12.5	0.15	105		10	10x20	0.24	75	
		33	13x20	0.15	180		12	10x20	0.24	85	
		47	13x25	0.15	350		15	13x16	0.24	100	
		450 (540)	1	5x11	0.15		23	18	13x20	0.24	120
	2.2		6.3x11	0.15	29		22	13x25	0.24	145	
	3.3		6.3x11	0.15	43		33	16x30	0.24	215	
	4.7		8x11	0.15	48		47	18x32	0.24	250	
	10		8x11	0.15	60		68	18x36	0.24	320	
	22		10x12.5	0.15	105	82	18x40	0.24	360		
33	13x20		0.15	180							
47	13x25		0.15	350							