

Jamicon Series : SK

Teapo Series : SK Standard Series

■ Endurance: 85°C 2000hours

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

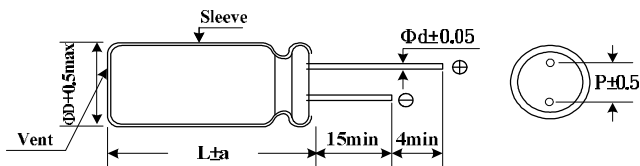
■ Corresponding product to RoHS



■ SPECIFICATIONS

Item	Characteristics										
Category Temperature Range	-40~+85℃			-40~+85℃				-25~+85℃			
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℃)			$\pm$ 20 % (120Hz , 20℃)				$\pm$ 20 % (120Hz , 20℃)			
Leakage Current (20℃)	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℃)	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 Z(120Hz)	6.3	10	16	25	35~100	160~250	315~350	400~550		
	Z-25℃ / Z+20℃	8	6	5	3	3	7	10	15		
	Z-40℃ / Z+20℃	10	8	6	4	3	—	—	—		
Endurance	After applying rated voltage for 2000 hours at 85℃,Stay back to 20 ℃ 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	Leakage current		initial specified value or less								
	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for1,000 hours at 85℃without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.										

■ 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℃) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms85℃) (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
10 (13)	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		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
	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		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	5x11	0.16	175	63 (79)	10	5x11	0.10	75
	150	6.3x11	0.16	245		22	5x11	0.10	110
	220	6.3x11	0.16	310			6.3x11	0.10	130
	330	6.3x11	0.16	360		33	6.3x11	0.10	150
		8x11	0.16	450		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
	10000	18x36	0.34	3230		2200	18x36	0.12	2350
	15000	22x40	0.44	4090		3300	22x40	0.14	3200
	22000	22x40	0.58	4200	100 (125)	10	5x11	0.08	80
25 (32)	10	5x11	0.14	60			6.3x11	0.08	95
	22	5x11	0.14	95		22	6.3x11	0.08	140
	33	5x11	0.14	115			8x11	0.08	160
	47	5x11	0.14	140		33	8x11	0.08	200
	68	5x11	0.14	150		47	10x12.5	0.08	250
	100	6.3x11	0.14	230		68	10x15	0.08	315

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Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D $\times$ L(mm)	$\tan \delta$	Ripple current (mA/rms85℃) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D $\times$ L(mm)	$\tan \delta$	Ripple current (mA/rms85℃) (120Hz)
100 (125)	100	10 $\times$ 20	0.08	450	250 (300)	100	16 $\times$ 25	0.15	485
	150	13 $\times$ 20	0.08	600		150	16 $\times$ 32	0.15	650
	220	13 $\times$ 25	0.08	790		220	18 $\times$ 36	0.15	900
	330	13 $\times$ 25	0.08	960	350 (400)	1.0	6.3 $\times$ 11	0.20	25
	470	16 $\times$ 25	0.08	1160		2.2	8 $\times$ 11	0.20	43
	680	16 $\times$ 36	0.08	1500		3.3	8 $\times$ 11	0.20	45
160 (200)	1000	18 $\times$ 40	0.08	2220		4.7	10 $\times$ 12.5	0.20	65
	1	5 $\times$ 11	0.15	20		10	10 $\times$ 15	0.20	100
		6.3 $\times$ 11	0.15	25		22	13 $\times$ 20	0.20	190
	2.2	6.3 $\times$ 11	0.15	37		33	13 $\times$ 25	0.20	250
	3.3	6.3 $\times$ 11	0.15	45		47	16 $\times$ 25	0.20	300
	4.7	6.3 $\times$ 11	0.15	55		100	16 $\times$ 36	0.20	510
	10	8 $\times$ 11	0.15	90			18 $\times$ 32	0.20	520
	22	10 $\times$ 15	0.15	150	400 (450)	4.7	8 $\times$ 11	0.20	55
	33	10 $\times$ 15	0.15	160		6.8	10 $\times$ 12.5	0.20	65
		10 $\times$ 20	0.15	210			8 $\times$ 15	0.20	65
	47	10 $\times$ 20	0.15	230		10	10 $\times$ 12.5	0.20	70
	68	13 $\times$ 20	0.15	255			10 $\times$ 15	0.20	100
	100	13 $\times$ 25	0.15	440		22	13 $\times$ 20	0.20	190
	150	16 $\times$ 25	0.15	570		33	13 $\times$ 25	0.20	230
	220	16 $\times$ 32	0.15	660		47	16 $\times$ 25	0.20	290
	330	18 $\times$ 36	0.15	1000		68	16 $\times$ 32	0.20	370
	470	22 $\times$ 40	0.15	1400			18 $\times$ 25	0.20	350
200 (250)	1	5 $\times$ 11	0.15	22		100	18 $\times$ 32	0.20	515
	2.2	6.3 $\times$ 11	0.15	39		150	18 $\times$ 40	0.20	700
	3.3	6.3 $\times$ 11	0.15	48	450 (500)	2.2	10 $\times$ 12.5	0.20	45
	4.7	6.3 $\times$ 11	0.15	55		3.3	10 $\times$ 12.5	0.20	52
	6.8	8 $\times$ 11	0.15	70		4.7	10 $\times$ 12.5	0.20	58
	10	8 $\times$ 11	0.15	80		6.8	10 $\times$ 15	0.20	70
	22	10 $\times$ 15	0.15	160		10	13 $\times$ 20	0.20	130
	33	10 $\times$ 20	0.15	210		22	13 $\times$ 25	0.20	185
	47	10 $\times$ 20	0.15	240		33	16 $\times$ 25	0.20	250
		13 $\times$ 20	0.15	290	500(550)	47	18 $\times$ 36	0.20	370
	68	13 $\times$ 25	0.15	340		4.7	10 $\times$ 12.5	0.24	40
	100	16 $\times$ 25	0.15	470		6.8	10 $\times$ 15	0.24	50
	220	16 $\times$ 32	0.15	690		10	10 $\times$ 20	0.24	70
		18 $\times$ 25	0.15	665		15	13 $\times$ 16	0.24	90
	330	16 $\times$ 40	0.15	1000		22	13 $\times$ 25	0.24	130
		18 $\times$ 32	0.15	970		33	16 $\times$ 25	0.24	200
250 (300)	470	18 $\times$ 40	0.15	1210		47	18 $\times$ 32	0.24	230
	1	5 $\times$ 11	0.15	23	550 (600)	4.7	10 $\times$ 12.5	0.24	45
		6.3 $\times$ 11	0.15	29		6.8	10 $\times$ 15	0.24	55
	2.2	6.3 $\times$ 11	0.15	43		10	10 $\times$ 20	0.24	75
		8 $\times$ 11	0.15	48		12	10 $\times$ 20	0.24	85
	3.3	8 $\times$ 11	0.15	60		15	13 $\times$ 16	0.24	100
	4.7	8 $\times$ 11	0.15	75		18	13 $\times$ 20	0.24	120
	6.8	8 $\times$ 11	0.15	85		22	13 $\times$ 25	0.24	145
	10	10 $\times$ 12.5	0.15	105		33	16 $\times$ 30	0.24	215
	22	10 $\times$ 20	0.15	180		47	18 $\times$ 32	0.24	250
	33	13 $\times$ 20	0.15	270		68	18 $\times$ 36	0.24	320
	47	13 $\times$ 25	0.15	350		82	18 $\times$ 40	0.24	360