Jamicon Series：TL
Teapo Series：SJ

Low impedance、High Ripple Series





■ Endurance: 105℃, 1000～5000 hours

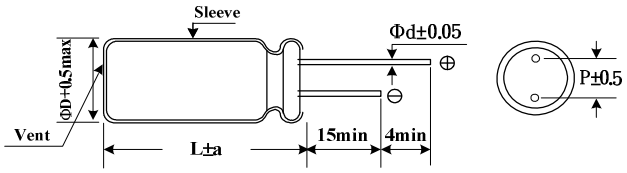
■ Recommended Applications : Applying to AV(TV, video, audio), monitor /computer, OA/HA /communication, transducer/inverter, adapter, switching power supply

■ Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics
Category Temperature Range	-40 ~ +105℃
Rated Voltage Range	6.3 ~ 100VDC
Rated Capacitance Range	5.6 ~ 6800 μF
Capacitance Tolerance	± 20 % (120Hz , 20℃)
Leakage Current (20℃)	I≦0.01CV or 3 μA ,whichever is greater. (After rated voltage applied for 2 minutes) I：Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)
Dissipation Factor(MAX) (tan δ) (120Hz ,20℃)	WV: 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 100 tan δ: 0.22 / 0.19 / 0.16 / 0.14 / 0.12 / 0.10 / 0.09 / 0.08 When nominal capacitance is over 1000 μF,tan δ shall be added 0.02 to the listed value with increase of every 1000 μF.
Low Temperature Stability Impedance Ratio (MAX)	WV / Z(120Hz): 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 100 Z(-25℃) / Z(20℃): 4 / 3 / 2 / 2 / 2 / 2 / 2 / 2 Z(-40℃) / Z(20℃): 8 / 6 / 4 / 3 / 3 / 3 / 3 / 3
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for the specified period of time at 105℃. Capacitance change: Within ± 25% of initial value D.F. (tan δ): Not more than 200% of specified value Leakage current: Not more than the specified value Case size (Φ) / Life time (hours): L=7: 1000 L≧11, ΦD≦6.3: 2000 L≧11, ΦD = 8: 3000 L≧11, ΦD = 10: 5000
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for1,000 hours (L=7mm is 500Hours) at 105℃ 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	4	5	6.3	8	10	13	16	18
P	1.5	2	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.45	0.5 (0.45)	0.5 (0.45)	0.6 (0.5)	0.6	0.6	0.8	0.8
a	1.0	1.5 (1.0)	1.5 (1.0)	1.5 (1.0)	1.5	2.0	2.0	2.0

( ) : L = 7

■ Multiplier for Ripple Current

Freq. (Hz)	60	120	400	1K	10K	100K
6.3~16V	0.45	0.60	0.83	0.94	0.98	1.00
25~35V	0.38	0.50	0.75	0.90	0.97	1.00
50~63V	0.36	0.46	0.70	0.88	0.94	1.00
100V	0.34	0.44	0.65	0.86	0.92	1.00

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■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Impedance (Ω,20℃) (100KHz)	Ripple current (mA/rms105℃) (100KHz)
6.3V (8)	39	4x7	0.85	130
	47	5x7	0.7	175
	56	5x7	0. 56	190
	68	5x7	0.43	210
	100	5x11	0.30	250
		6.3x7	0.35	240
	120	5x11	0.38	220
		6.3x7	0.29	270
	150	5x11	0.3	250
		6.3x7	0.23	300
	180	8x7	0.18	350
	220	6.3x11	0.13	410
	270	6.3x11	0.16	430
	330	8x11	0.13	540
	470	8x11	0.072	760
	560	8x11	0.072	790
	680	8x15	0.062	1000
	820	8x15	0.056	1045
	1000	8x20	0.053	1250
	1200	8x20	0.041	1529
		10x20	0.038	1820
	1500	10x25	0.026	2150
	1800	10x25	0.025	2240
	2200	12.5x20	0.021	2360
	2700	13x20	0.022	2540
	3300	12.5x25	0.018	2770
	3900	12.5x30	0.016	3290
	4700	12.5x35	0.015	3400
	5600	13x35	0.015	3400
		16x25	0.016	3460
	6800	16x25	0.016	3620
10V (13)	27	4x7	0.89	130
	33	5x7	0.75	160
	39	5x7	0.64	175
	47	5x7	0.53	190
	56	5x7	0.44	210
	68	6.3x7	0.44	210
	100	6.3x7	0.3	260
	120	6.3x7	0.23	300
	150	8x7	0.18	370
	180	8x7	0.15	380
	220	6.3x11	0.13	410
	270	8x11	0.12	580
	330	8x11	0.11	640
	470	8x11	0.072	760
	560	8x15	0.068	1000
		10x12.5	0.064	940
	680	10x12.5	0.053	1030
	820	8x20	0.05	1130
		10x16	0.046	1300
	1000	8x20	0.041	1250
		10x16	0.038	1430
	1200	10x20	0.023	1820
	1500	10x25	0.022	2150
	1800	13x20	0.022	2230
	2200	13x20	0.021	2360
	2700	13x25	0.02	2510
	3300	13x25	0.018	2770
	3900	13x30	0.016	3290
		16x20	0.018	3140
	4700	13x35	0.015	3400
	5600	16x25	0.016	3695

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Impedance (Ω,20℃) (100KHz)	Ripple current (mA/rms105℃) (100KHz)
16V (20)	18	4x7	0.92	130
	27	5x7	0.61	190
	33	5x7	0.45	210
	39	5x11	0.43	220
	47	5x11	0.36	230
	56	5x11	0.30	250
	68	6.3x7	0.24	300
	100	6.3x11	0.16	370
		8x7	0.18	350
	120	6.3x11	0.13	410
		8x7	0.15	380
	150	8x11	0.12	510
	180	8x11	0.11	560
	220	8x11	0.10	620
	270	8x11	0.088	690
	330	8x11	0.072	760
	470	8x15	0.056	1000
		10x12.5	0.053	1030
	560	8x20	0.049	1140
		10x16	0.046	1300
	680	8x20	0.041	1250
		10x16	0.038	1430
	820	10x20	0.032	1650
	1000	10x20	0.023	1820
	1200	10x25	0.022	2150
	1500	13x20	0.021	2360
	1800	13x25	0.02	2510
	2200	13x25	0.018	2770
	2700	13x30	0.016	3290
		16x20	0.018	3140
	3300	13x35	0.015	3400
	3900	16x25	0.016	3460
25V (32)	15	4x7	0.94	130
	18	5x7	0.69	170
	27	5x7	0.46	210
	33	5x11	0.42	220
	39	5x11	0.36	230
	47	5x11	0.30	250
	56	6.3x7	0.24	300
	68	6.3x11	0.19	340
		8x7	0.22	340
	100	6.3x11	0.13	410
		8x7	0.15	440
	120	8x11	0.12	560
	150	8x11	0.105	630
	180	8x11	0.088	690
	220	8x11	0.072	760
	270	8x15	0.068	900
		10x12.5	0.065	930
	330	10x12.5	0.053	1030
	470	8x20	0.041	1250
		10x16	0.038	1430
	560	10x20	0.032	1650
	680	10x20	0.023	1820
	820	10x25	0.022	2150
	1000	13x20	0.021	2360
	1200	13x25	0.02	2510
	1500	13x25	0.018	2770
	1800	13x30	0.016	3290
		16x20	0.018	3140
	2200	13x35	0.015	3400
	2700	16x25	0.016	3520

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Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Impedance (Ω,20℃) (100KHz)	Ripple current (mA/rms105℃) (100KHz)
35V (44)	10	4x7	0.96	130
	15	5x7	0.57	190
	18	5x7	0.47	210
	27	5x11	0.37	230
	33	5x11	0.30	250
	39	6.3x7	0.25	300
	47	6.3x11	0.15	380
		8x7	0.19	350
	56	6.3x11	0.13	410
		8x7	0.16	380
	68	8x11	0.12	510
	100	8x11	0.105	620
	120	8x11	0.088	680
	150	8x11	0.072	760
	180	8x15	0.068	910
		10x12.5	0.065	930
	220	10x12.5	0.053	1030
	270	8x20	0.041	1250
	330	10x16	0.038	1430
	470	10x20	0.023	1820
	560	10x25	0.022	2150
	680	13x20	0.021	2360
	820	13x25	0.020	2510
	1000	13x25	0.018	2770
	1200	13x30	0.016	3290
		16x20	0.018	3140
	1500	13x35	0.015	3400
	1800	16x25	0.016	3460
50V (63)	5.6	4x7	1	130
	6.8	5x7	0.74	170
	10	5x7	0.5	210
	15	6.3x7	0.38	220
		5x11	0.48	215
	22	5x11	0.34	240
		6.3x7	0.26	300
	27	8x7	0.21	340
	33	8x7	0.17	380
	39	6.3x11	0.16	330
	47	6.3x11	0.15	360
	56	6.3x11	0.14	390
	68	8x11	0.11	600
	82	8x11	0.09	660
	100	8x11	0.074	730
	120	8x15	0.061	950
	150	10x12.5	0.061	980
	180	8x20	0.046	1190
	220	10x16	0.042	1370
	270	10x20	0.03	1580
	330	10x25	0.028	1870
	390	13x20	0.028	1870
	470	13x20	0.027	2050
	560	13x25	0.023	2410
	680	13x30	0.021	2860
	820	13x35	0.019	2960
		16x20	0.023	2730
	1000	16x32	0.021	3350
63V (79)	15	5x11	1.19	136
	22	6.3x11	0.726	220
	27	6.3x11	0.58	240
	33	6.3x11	0.56	300

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Impedance (Ω,20℃) (100KHz)	Ripple current (mA/rms105℃) (100KHz)
63V (79)	39	8x11	0.42	308
	47	8x11	0.35	380
	56	8x11	0.35	420
	68	8x15	0.26	488
		10x12.5	0.24	500
	82	8x15	0.22	536
		10x12.5	0.20	552
	100	10x16	0.16	640
	120	8x20	0.16	656
		10x16	0.15	760
	150	10x20	0.13	808
		13x16	0.13	832
	180	10x20	0.11	900
		13x16	0.11	912
	220	10x25	0.099	1080
	270	13x20	0.081	1200
	330	13x25	0.058	1480
	390	13x30	0.063	1640
		16x20	0.073	1448
	470	13x30	0.061	1800
		16x20	0.061	1592
	560	13x35	0.047	1960
		16x25	0.043	2190
	680	13x40	0.039	2224
		18x20	0.051	1960
	820	16x32	0.035	2720
		18x25	0.042	2480
	1000	16x36	0.028	3170
		18x32	0.034	3100
	1200	16x40	0.026	3270
		18x36	0.027	3300
	1500	18x40	0.024	3500
100V (125)	10	6.3x11	0.95	170
	15	6.3x 11	0.57	210
	22	8x11	0.44	330
	27	8x11	0.36	360
	33	8x15	0.3	375
	39	8x15	0.25	450
	47	10x12.5	0.24	450
	56	8x20	0.19	570
	68	10x16	0.18	580
	82	10x20	0.13	750
		13x16	0.13	740
	100	10x25	0.12	880
	120	13x20	0.094	1050
	150	13x25	0.085	1100
	180	13x25	0.071	1200
	220	13x30	0.063	1410
		16x20	0.071	1300
	270	13x35	0.052	1560
		16x25	0.053	1600
		18x20	0.069	1470
	330	13x40	0.046	1700
	390	16x32	0.041	1750
		18x25	0.049	1620
	470	16x36	0.033	1890
		18x32	0.039	1780
	560	16x40	0.03	2080
		18x36	0.031	2060
	680	18x40	0.028	2570