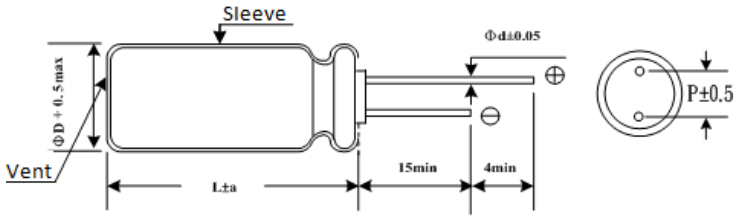
Jamicon Series：TU
Teapo Series：TC Low impedance、Long life Series

■ Endurance:105℃6000~10000hours
■ Recommended Applications :Applicable forAV(TV,Viodeo,Audio),
OA/HA/Communication, SMPS, Adapter,Monitor/Computer,Converter/Inverter
■ Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics
Category Temperature Range	-40 ~ +105℃
Rated Voltage Range	6.3~100VDC
Rated Capacitance Range	8.2 ~ 8200 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 / 80 / 100 tan δ: 0.22 / 0.19 / 0.16 / 0.14 / 0.12 / 0.10 / 0.09 / 0.08 / 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: 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 80 / 100 Z(120Hz) Z-25℃ / Z+20℃: 4 / 3 / 2 / 2 / 2 / 2 / 2 / 2 / 2 Z-40℃ / Z+20℃: 8 / 6 / 4 / 3 / 3 / 3 / 3 / 3 / 3
Endurance	After applying rated voltage with rated ripple current for 6000~10000hours at 105℃, the capacitors shall meet the following requirements. Capacitance change: Within ± 25% of initial value(6.3、10V：± 30%) D.F. (tan δ): Not more than 200% of specified value Leakage current: initial specified value or less DΦ: 5-6.3Φ / 8Φ / 10~18Φ Life: 6000hrs / 8000hrs / 10000hrs
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for1,000 hours at 105℃ without voltage applied.

■ Dimensions [mm]



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

■ Multiplier for Ripple Current

Freq. (Hz)	120	1K	10K	100K
8.2 ~ 33	0.42	0.70	0.90	1.00
47 ~ 270	0.50	0.73	0.92	1.00
330 ~680	0.55	0.77	0.94	1.00
820 ~ 1800	0.60	0.80	0.96	1.00
2200 ~8200	0.70	0.85	0.98	1.00

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■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
6.3V (8)	220	5x11	345	0.242
	470	6.3x11	540	0.103
	820	8x12	945	0.062
	1200	8x16	1250	0.050
		10X12.5	1330	0.043
	1500	8x20	1500	0.032
	1800	10x16	1760	0.031
	2200	10x20	1960	0.022
	2700	10x25	2250	0.020
	3900	13x20	2480	0.019
	4700	13x25	2900	0.017
	5600	13x30	3450	0.014
	6800	16x20	3250	0.017
		13x35	3570	0.013
	8200	16x25	3630	0.014
10V (13)	150	5x11	345	0.242
	330	6.3x11	540	0.103
	680	8x12	945	0.062
	1000	8x16	1250	0.050
		10x12.5	1330	0.043
	1500	8x20	1500	0.032
		10x16	1760	0.031
	1800	10x20	1960	0.022
	2200	10x25	2250	0.020
	3300	13x20	2480	0.019
	3900	13x25	2900	0.017
	4700	13x30	3450	0.014
		16x20	3250	0.017
	5600	13x35	3570	0.013
	6800	16x25	3630	0.014
16V (20)	100	5x11	345	0.242
	220	6.3x11	540	0.103
	470	8x12	945	0.062
	680	8x16	1250	0.050
		10x12.5	1330	0.043
	1000	8x20	1500	0.032
		10x16	1760	0.031
	1500	10x20	1960	0.025
	1800	10x25	2250	0.025
	2200	13x20	2480	0.025
	2700	13x25	2900	0.022
	3300	13x30	3450	0.018
		16x20	3250	0.020
	3900	13x35	3570	0.017
	4700	16x25	3630	0.018
25V (32)	68	5x11	345	0.242
	150	6.3x11	540	0.103
	330	8x12	945	0.062
	390	8x16	1250	0.050
	470	10x12.5	1330	0.043
	560	8x20	1500	0.032
	680	10x16	1760	0.031
	820	10x20	1960	0.025
	1000	10x25	2250	0.022
	1500	13x20	2480	0.021
	1800	13x25	2900	0.020
	2200	13x30	3450	0.016
		16x20	3250	0.019
	2700	13x35	3570	0.015
	3300	16x25	3630	0.016
35V (44)	47	5x11	345	0.220
	100	6.3x11	540	0.094

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
35V (44)	220	8x12	945	0.060
	270	8x16	1250	0.050
	330	10x12.5	1330	0.041
	390	8x20	1500	0.032
	470	10x16	1760	0.030
	560	10x20	1960	0.025
	680	10x25	2250	0.023
	1000	13x20	2480	0.025
	1200	13x25	2900	0.022
	1500	13x30	3450	0.018
		16x20	3250	0.020
	1800	13x35	3570	0.018
	2200	16x25	3630	0.015
50V (63)	27	5x11	238	0.340
	56	6.3x11	385	0.140
	100	8x12	724	0.074
	120	8x16	950	0.061
	150	10x12.5	979	0.061
	180	8x20	1190	0.046
	220	10x16	1370	0.042
	270	10x20	1580	0.030
	330	10x25	1870	0.028
	470	13x20	2050	0.027
	560	13x25	2410	0.023
	680	13x30	2860	0.021
	820	13x35	2960	0.019
		16x20	2730	0.023
	1000	16x25	3010	0.021
63V (79)	18	5x11	173	1.000
	47	6.3x11	278	0.560
	82	8x12	525	0.264
	100	8x16	688	0.192
	120	10x12.5	725	0.180
	150	8x20	861	0.144
	180	10x16	998	0.132
	270	10x20	1200	0.094
		13x16	1200	0.098
	330	10x25	1410	0.083
	390	13x20	1570	0.072
	470	13x25	1990	0.052
	560	13x30	2410	0.042
		16x20	2100	0.052
	680	13x35	2620	0.040
	820	13x40	2940	0.032
		16x25	2730	0.038
		18x20	2500	0.046
	1200	16x32	2990	0.029
		18x25	2800	0.037
	1500	16x36	3040	0.025
		18x32	3300	0.030
	1800	16x40	3570	0.023
		18x36	3570	0.024
	2200	18x40	3670	0.022
80V (100)	12	5x11	163	1.400
	33	6.3x11	267	0.570
	56	8x12	462	0.360
	68	8x16	585	0.250
	82	10x12.5	624	0.230
	100	8x20	735	0.190
	120	10x16	780	0.170
	180	10x20	1040	0.120
		13x16	975	0.130

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Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
80V (100)	220	10x25	1170	0.110
	270	13x20	1430	0.085
	330	13x25	1620	0.060
	390	13x30	1950	0.051
		16x20	1750	0.058
	470	13x35	2140	0.043
	560	13x40	2340	0.036
		16x25	2210	0.044
		18x20	1950	0.054
	680	16x32	2400	0.033
	820	16x36	2600	0.029
		18x25	2270	0.038
	1000	16x40	2860	0.027
		18x32	2470	0.031
	1200	18x36	2860	0.027
	1500	18x40	3510	0.026
100V (125)	8.2	5x11	163	1.400
	18	6.3x11	267	0.570
	33	8x12	462	0.360
	47	8x16	585	0.250
	56	10x12.5	624	0.230

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
100V (125)	68	8x20	735	0.190
	82	10x16	780	0.170
	100	10x20	1040	0.120
		13x16	975	0.130
	120	10x25	1170	0.110
	150	13x20	1430	0.085
	220	13x25	1620	0.060
	270	13x30	1950	0.051
		16x20	1750	0.058
	330	13x35	2140	0.043
	390	13x40	2340	0.036
		16x25	2210	0.044
		18x20	1950	0.054
	470	16x32	2400	0.033
		18x25	2270	0.038
	560	16x36	2600	0.029
		18x32	2470	0.031
	680	16x40	2860	0.027
		18x36	2860	0.027
	820	18x40	3510	0.026