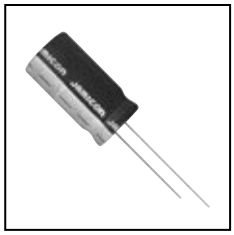
RADIAL TYPE

TL Series

Long Life, Low Impedance, High Reliability

JAMICON®

- Low impedance and long life with standing 5000 hours load life.
- Suitable for electronic ballast, adaptor and switching power.

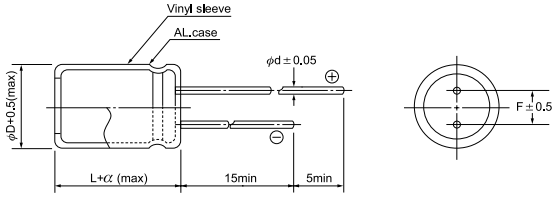


SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-40 ~ +105°C							
Rated Working Voltage	6.3 ~ 63VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	I ≦0.01CV or 3 (μA) Whichever is greater after 2 minutes I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)							
Surge Voltage (20°C)	W.V.	6.3	10	16	25	35	50	63
	S.V.	8	13	20	32	44	63	79
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more than 1000 μF							
	W.V.	6.3	10	16	25	35	50	63
	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	6.3	10	16	25	35	50	63
	-25°C / +20°C	2	2	2	2	2	2	2
	-40°C / +20°C	3	3	3	3	3	3	3
Load Life	After hours (φ5~6.3mm 2000 hours, φ8mm 3000 hours, φD≧10mm 5000 hours) application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≦ rate working voltage)							
	Capacitance Change	≦±25% of initial value						
	Dissipation Factor	≦200% of initial specified value						
	Leakage current	≦initial specified value						
Shelf Life	At + 105°C no voltage application after 1000 hours the capacitor shall meet the following limits. (with voltage treatment)							
	Capacitance Change	≦±20% of initial value						
	Dissipation Factor	≦200% of initial specified value						
	Leakage current	≦200% of initial specified value						

DIMENSIONS (mm)

φD	5	6.3	8	10	12.5	16
F	2.0	2.5	3.5	5.0	5.0	7.5
d	0.5	0.5	0.6	0.6	0.6	0.8
α	1.5	1.5	1.5	1.5	1.5	1.5



RIPPLE CURRENT COEFFICIENTS

Temperature(°c)	65	75	85	95	105
Multiplier	2.12	1.92	1.69	1.50	1.00

Frequency(Hz)	60	120	400	1k	10k	100k
W.V.	Multiplier					
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

CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max impedance : Ω 20°C 100kHz
Max ripple current : A(rms) 105°C 100kHz

μF	Code	V(Code) / φD	6.3 (0J) DxL	6.3 (0J) IMP.	6.3 (0J) R.C.	10 (1A) DxL	10 (1A) IMP.	10 (1A) R.C.	16 (1C) DxL	16 (1C) IMP.	16 (1C) R.C.
10	100								5x11	1.300	0.09
56	560								5x11	0.300	0.25
100	101		5x11	0.300	0.25	5x11	0.300	0.25	6.3x11	0.250	0.36
120	121		6.3x11	0.280	0.26	6.3x11	0.280	0.26	6.3x11	0.130	0.41
220	221		6.3x11	0.130	0.41	6.3x11	0.130	0.41	8x11.5	0.120	0.58
330	331		8x11.5	0.110	0.54	8x11.5	0.110	0.54	8x11.5	0.072	0.76
470	471		8x11.5	0.072	0.76	8x11.5	0.072	0.76	8x15	0.056	1.00
									10x12.5	0.053	1.03
680	681		8x15	0.056	1.00	8x15	0.056	1.00	8x20	0.041	1.25
			10x12.5	0.053	1.03	10x12.5	0.053	1.03	10x16	0.038	1.43
820	821		8x20	0.050	1.05	8x20	0.050	1.05	10x20	0.036	1.45
1000	102		8x20	0.041	1.25	8x20	0.041	1.25	10x20	0.023	1.82
			10x16	0.038	1.43	10x16	0.038	1.43			
1200	122		10x20	0.023	1.82	10x20	0.023	1.82	10x25	0.022	2.15
1500	152		10x25	0.022	2.15	10x25	0.022	2.15	12.5x20	0.021	2.36
2200	222		12.5x20	0.021	2.36	12.5x20	0.021	2.36	12.5x25	0.018	2.77
3300	332		12.5x25	0.018	2.77	12.5x25	0.018	2.77	12.5x35	0.015	3.40
3900	392		12.5x30	0.016	3.29	12.5x30	0.016	3.29	16x25	0.016	3.46
			16x20	0.018	3.14	16x20	0.018	3.14			
4700	472		12.5x35	0.015	3.40	12.5x35	0.015	3.40			
5600	562		16x25	0.016	3.46	16x25	0.016	3.46			

μF	Code	V(Code) / φD	25 (1E) DxL	25 (1E) IMP.	25 (1E) R.C.	35 (1V) DxL	35 (1V) IMP.	35 (1V) R.C.
10	100		5x11	1.030	0.13	5x11	0.800	0.17
33	330		5x11	0.500	0.21	5x11	0.300	0.25
47	470		5x11	0.300	0.25	6.3x11	0.280	0.27
56	560		5x11	0.280	0.26	6.3x11	0.130	0.41
100	101		6.3x11	0.130	0.41	8x11.5	0.125	0.50
120	121		6.3x15	0.130	0.49	8x11.5	0.120	0.59
150	151		8x11.5	0.110	0.54	8x11.5	0.072	0.76
220	221		8x11.5	0.072	0.76	8x15	0.056	1.00
						10x12.5	0.053	1.03
330	331		8x15	0.056	1.00	10x16	0.038	1.43
			10x12.5	0.053	1.03			
470	471		8x20	0.041	1.25	10x20	0.023	1.82
			10x16	0.038	1.43			
560	561		10x20	0.036	1.50	10x25	0.022	2.15
680	681		10x20	0.023	1.82	12.5x20	0.021	2.36
820	821		10x25	0.022	2.15	12.5x20	0.020	2.45
1000	102		12.5x20	0.021	2.36	12.5x25	0.018	2.77
1200	122		12.5x20	0.019	2.46	12.5x30	0.016	3.29
						16x20	0.018	3.14
1500	152		12.5x25	0.018	2.77	12.5x35	0.015	3.40
1800	182		12.5x30	0.016	3.29	16x25	0.016	3.46
			16x20	0.018	3.14			
2200	222		12.5x35	0.015	3.40			

μF	Code	V(Code) / φD	50 (1H) DxL	50 (1H) IMP.	50 (1H) R.C.	63 (1J) DxL	63 (1J) IMP.	63 (1J) R.C.
22	220		5x11	0.340	0.24	6.3x11	0.726	0.22
33	330		6.3x11	0.320	0.28	6.3x15	0.564	0.30
47	470		6.3x11	0.310	0.34	8x11.5	0.453	0.38
56	560		6.3x11	0.140	0.39	8x11.5	0.404	0.42
100	101		8x11.5	0.074	0.72	10x16	0.264	0.54
120	121		8x15	0.061	0.95	10x16	0.220	0.73
150	151		10x12.5	0.061	0.98	10x16	0.187	0.80
180	181		8x20	0.046	1.19	10x20	0.153	0.90
220	221		10x16	0.042	1.37	10x25	0.133	1.08
330	331		10x25	0.028	1.87	12.5x20	0.113	1.33
470	471		12.5x20	0.027	2.05	12.5x25	0.091	1.66
560	561		12.5x25	0.023	2.41	16x25	0.074	2.19
680	681		12.5x30	0.021	2.86	16x25	0.059	2.24
820	821		12.5x35	0.019	2.96	16x31.5	0.054	2.72
			16x20	0.023	2.73			
1000	102		16x25	0.021	3.01	16x35.5	0.048	3.17