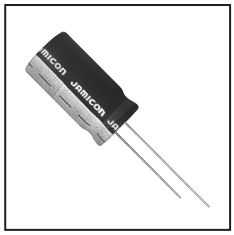
- Low impedance and long life with standing 5000 hours load life.
- Suitable for electronic ballast, adaptor and switching power.
- Corresponding product to RoHS

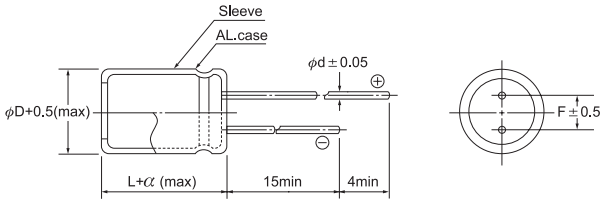


SPECIFICATION

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	2.0	2.0



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

V(DC) / φD / μF	6.3			10			16		
	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.
10							5x11	1.300	0.09
56							5x11	0.300	0.25
100	5x11	0.300	0.25	5x11	0.300	0.25	6.3x11	0.250	0.36
120	6.3x11	0.280	0.26	6.3x11	0.280	0.26	6.3x11	0.130	0.41
220	6.3x11	0.130	0.41	6.3x11	0.130	0.41	8x11	0.120	0.58
330	8x11	0.110	0.54	8x11	0.110	0.54	8x11	0.072	0.76
470	8x11	0.072	0.76	8x11	0.072	0.76	8x15	0.056	1.00
							10x12.5	0.053	1.03
680	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	8x20	0.050	1.05	8x20	0.050	1.05	10x20	0.036	1.45
1000	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	10x20	0.023	1.82	10x20	0.023	1.82	10x25	0.022	2.15
1500	10x25	0.022	2.15	10x25	0.022	2.15	12.5x20	0.021	2.36
2200	12.5x20	0.021	2.36	12.5x20	0.021	2.36	12.5x25	0.018	2.77
3300	12.5x25	0.018	2.77	12.5x25	0.018	2.77	12.5x35	0.015	3.40
3900	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	12.5x35	0.015	3.40	12.5x35	0.015	3.40			
5600	16x25	0.016	3.46	16x25	0.016	3.46			

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

V(DC) / φD / μF	50			63		
	DxL	IMP.	R.C.	DxL	IMP.	R.C.
22	5x11	0.340	0.24	6.3x11	0.726	0.22
33	6.3x11	0.320	0.28	6.3x15	0.564	0.30
47	6.3x11	0.310	0.34	8x11	0.453	0.38
56	6.3x11	0.140	0.39	8x11	0.404	0.42
100	8x11	0.074	0.72	10x16	0.264	0.54
120	8x15	0.061	0.95	10x16	0.220	0.73
150	10x12.5	0.061	0.98	10x16	0.187	0.80
180	8x20	0.046	1.19	10x20	0.153	0.90
220	10x16	0.042	1.37	10x25	0.133	1.08
330	10x25	0.028	1.87	12.5x20	0.113	1.33
470	12.5x20	0.027	2.05	12.5x25	0.091	1.66
560	12.5x25	0.023	2.41	16x25	0.074	2.19
680	12.5x30	0.021	2.86	16x25	0.059	2.24
820	12.5x35	0.019	2.96	16x32	0.054	2.72
	16x20	0.023	2.73			
1000	16x25	0.021	3.01	16x36	0.048	3.17

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