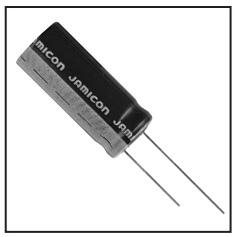


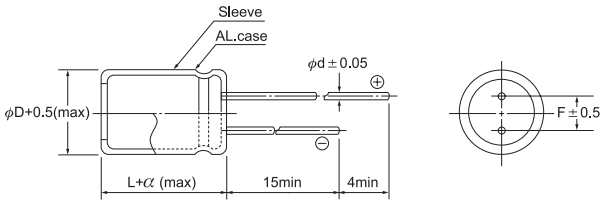
- High temperature 105°C, 5000~6000hours
- Recommended Applications : AV (TV, Video, Audio) Monitor/Computer/OA/HA
  Communication, Converter/Inverter, Adapter, SMPS
- Corresponding product to RoHS

SPECIFICATION

Item	Characteristic					
Operation Temperature Range	-40 ~ +105°C					
Rated Working Voltage	6.3 ~ 35VDC					
Capacitance Tolerance (120Hz 20°C)	±20% (M)					
Leakage Current (20°C)	I≦0.01CV or 3(uA) 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
	S.V.	8	13	20	32	44
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
	tan δ	0.22	0.19	0.16	0.14	0.12
Low Temperature Stability	Impedance ratio at 120Hz					
	Rated Voltage (V)	6.3	10	16	25	35
	-25°C / +20°C	2	2	2	2	2
	-40°C / +20°C	3	3	3	3	3
Load Life	After 5000~6000 hours application of W.V. at +105°C, the capacitor shall meet the following limits. (DC + ripple peak voltage ≦ rate working voltage)					
	Dφ	5~6.3φ		8~16φ		
	Life (hours)	5000hrs		6000hrs		
	∗ If dimension is down size, Endurance will be less 1000 hours than standard.					
	Capacitance Change	≦±30% of initial value for 6.3~10W.V., ≦±25% of initial value for 16~35W.V.				
	Dissipation Factor	≦200% of initial specified value				
	Leakage current	≦initial specified value				
Shelf Life	At +105°C no voltage application after 500 hours, the capacitor shall meet the limits for load life characteristics. (with voltage treatment)					

DIMENSIONS (mm)

φD	5	6	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	85	105
Coefficient	2.00	1.50	1.00

Frequency(Hz)	120	1k	10k	100k
47~150μF	0.40	0.75	0.90	1.00
220~560μF	0.50	0.85	0.94	1.00
680~1800μF	0.60	0.87	0.95	1.00
2200~3900μF	0.75	0.90	0.95	1.00
4700~8200μF	0.85	0.95	0.98	1.00

CASE SIZE & MAX RIPPLE CURRENT

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

μF \ V(DC) Item	6.3			10			16		
	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.
100							5x11	0.240	330
150				5x11	0.240	330			
220	5x11	0.240	330				6.3x11	0.110	500
330				6.3x11	0.110	500			
470	6.3x11	0.110	500				8x12	0.062	900
680				8x12	0.062	900	8x15	0.048	1210
							10x12.5	0.053	1240
820	8x12	0.062	900						
1000				8x15	0.048	1210	8x20	0.041	1410
				10x12.5	0.053	1240	10x16	0.038	1650
1200	8x15	0.048	1210						
	10x12.5	0.053	1240						
1500	8x20	0.041	1410	8x20	0.041	1410	10x20	0.026	1960
				10x16	0.038	1650			
1800	10x16	0.038	1650	10x20	0.026	1960	10x25	0.023	2250
2200	10x20	0.026	1960	10x25	0.023	2250	12.5x20	0.023	2480
2700	10x25	0.023	2250				12.5x25	0.020	2900
3300				12.5x20	0.023	2480	12.5x30	0.017	3450
							16x20	0.018	3250
3900	12.5x20	0.023	2480	12.5x25	0.020	2900	12.5x35	0.016	3570
4700	12.5x25	0.020	2900	12.5x30	0.017	3450	16x25	0.017	3630
				16x20	0.018	3250			
5600	12.5x30	0.017	3450	12.5x35	0.016	3570			
6800	12.5x35	0.016	3570	16x25	0.017	3630			
	16x20	0.018	3250						
8200	16x25	0.017	3630						

μF \ V(DC) Item	25			35		
	DxL	IMP.	R.C.	DxL	IMP.	R.C.
47				5x11	0.240	330
68	5x11	0.240	330			
100				6.3x11	0.110	500
150	6.3x11	0.110	500			
220				8x12	0.062	900
270				8x15	0.048	1210
330	8x12	0.062	900	10x12.5	0.053	1240
390	8x15	0.048	1210	8x20	0.041	1410
470	10x12.5	0.053	1240	10x16	0.038	1650
560	8x20	0.041	1410	10x20	0.026	1960
680	10x16	0.038	1650	10x25	0.023	2250
820	10x20	0.026	1960			
1000	10x25	0.023	2250	12.5x20	0.023	2480
1200				12.5x25	0.020	2900
1500	12.5x20	0.023	2480	12.5x30	0.017	3450
				16x20	0.018	3250
1800	12.5x25	0.020	2900	12.5x35	0.016	3570
2200	12.5x30	0.017	3450	16x25	0.017	3630
	16x20	0.018	3250			
2700	12.5x35	0.016	3570			
3300	16x25	0.017	3630			