

RK

RK Series Aluminum Electro

Feature

* : 130 2000

Load life:130 2000 hours.

*

High temperature.

* RoHS

Compliant to the RoHS Directive

Application

* LED

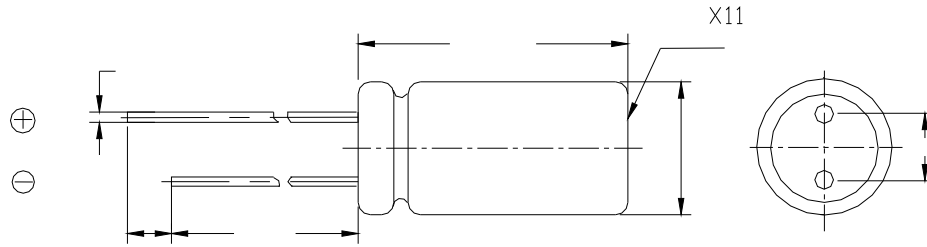
Ideally designed for all kinds of electronic products.

Part Number

8 2 2 0 L F

Code	Type
8	Product

Code	Voltage
LO	4
LA	6.3
LB	10
LC	16
LD	25
LE	35
LF	50
LG	63
MA	100

Product Structure


(mm)	±0.5			±1.0				
D(mm)	5	6.3	8	10	12.5	16	18	22
F±0.5(mm)	2.	2.5	3.5	5.0		7.5		10.0
d±0.1(mm)	0.5		0.6			0.8		
L(mm)	11,12	12,16	12,16,	16,20,25	16,20,25,30,35	20,25,30,35,40	25,30,35,40	
	L±2.0							

Main specifications

	Performance Characteristics																																			
Rated Voltage Range	10~100V.DC	160~450V.DC																																		
Operating Temperature Range	-40 ~+130	-40 ~+130																																		
Nominal Capacitance Range	1~4700μ F	4.7~220μ F																																		
Capacitance Tolerance	±20% M +25 120Hz																																			
Leakage Current (25 °C)	<table border="1" style="width: 100%;"> <thead> <tr> <th>(V)</th> <th>10~100</th> <th>160~450</th> </tr> </thead> <tbody> <tr> <td>Rated working voltage</td> <td></td> <td></td> </tr> <tr> <td>Leakage current</td> <td>2 I 0.01CV 3(μA), After 2 min. I 0.01CV or 3(μA), Whichever is greater.</td> <td>2 I 0.03CV+25(μA) After 2 min . I 0.03CV+25(μA)</td> </tr> </tbody> </table>		(V)	10~100	160~450	Rated working voltage			Leakage current	2 I 0.01CV 3(μA), After 2 min. I 0.01CV or 3(μA), Whichever is greater.	2 I 0.03CV+25(μA) After 2 min . I 0.03CV+25(μA)																									
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C μF Nominal Capacitance in μF V V Rated working voltage in V																																				
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DF(MAX) (25 °C,120Hz)	0.35	0.22	0.20	0.17	0.15	0.12	0.10	0.15																												
1000μF 1000μF DF 0.02 For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF.																																				

Surge Voltage	(V) Rated working voltage	10	16	25	35	50	63	100	160	200	250	350	400	450
	(V) Surge voltage	13	20	32	44	63	79	125	200	250	300	400	450	500
Temperature Stability														
Load life	<p>+130 2000 ,</p> <p>After application of rated working voltage with max permissible ripple current specified at +130 for 2000hours, capacitors meet the characteristics requirements measured at +20 listed at below:</p> <p>1 :±20% Capacitance change : ±20% initial measured value</p> <p>2 : Leakage current : initial specified value</p> <p>3 200% Dissipation factor: 200% initial specified value</p>													

+130 1000 , JIS-C-5101-4 30min,, 24 48
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After leaving capacitors under no load at +130 for 1000 hours, According to JIS-C-5101-4, apply the rated DC voltage for 30 minutes and store the capacitors under room temperature for 24-48 hours. The o ors

Shelf life

Dimensions and ripple current

WV/V Cap/μF	10		16		25		35		50		63		100	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1									5x11	35	5x11	35	5x11	40
2.2									5x11	50	5x11	50	6.3x12	70
3.3									5x11	70	5x11	70	6.3x12	80
4.7									5x11	100	5x11	100	8x12	100
10									6.3x12	200	6.3x12	200	8x12	200
22									6.3x12	260	6.3x12	250	8x12	220
33									6.3x12	300	6.3x12	250	10x12	260
47									6.3x12	300	10x12	400	10x16	330
100							8x12	360	10x12	520	10x16	450	12.5x20	670
220					8x12	360	10x12	620	10x16	890	12.5x20	820	16x25	1100
330	8x12	360	8x12	360	10x12	620	10x16	800	12.5x20	1000	12.5x25	1000	16x30	1300
470	10x12	620	10x12	620	10x16	800	10x20	960	12.5x25	1200	16x25	1500	16x30 18x30	1600
1000	10x20	960	10x20	960	12.5x20	1100	12.5x25	1430	16x30	2180	16x30	1850		
2200	12.5x25	1430	12.5x25	1430	16x30	2300	16x35	2550	18x40	2800	18x40	2350		
3300	16x25	1900	16x30	2300	16x35	2550	18x35	2800						
4700	18x30	2300	16x35	2550										

(1) Case Size D L(mm)

(2) Max allowable ripple current (mA rms +130 ,100kHz)

WV/V Cap/μF	160		200		250		350		400		450	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
2.2									6.3x12	80	8x12	100
4.7									8x12 10x16	100 180	10x20	150
6.8							10x16	220	8x16 10x16	150 220	12.5x20	320
10	10x16	250	10x16	250	10x20	280	10x20	280	10x20 12.5x20	280 280	16x25 18x20	560
22	10x20	500	10x20	500	12.5x20	600	12.5x20	350	12.5x25 16x20	430	16x30 18x25	700
33	10x20	500	12.5x20	600	12.5x20	600	16x20	500	16x25 18x20	640	18x30	880
47	12.5x20	660	12.5x20	660	12.5x25 16x20	720	16x25 18x20	660	16x30 18x25	840		
68	12.5x25 16x20	760	12.5x25 16x20	760	16x25 18x20	920	16x30 18x25	850	18x30	1000		
100	16x25 18x20	1120	16x25 18x20	1120	16x30 18x25	1200						
150	16x30 18x25	1360	16x30 18x25	1360	18x30	1500						
220	16x30 18x25	1400	18x30	1700								

(1) Case Size D L(mm)

(2) Max allowable ripple current (mA rms +130 ,100kHz)

Packaging

*

Taped packaging quantity

D(mm)	() Qty. (Pcs)	L() 22mm	L() 25±2mm
		LxWxH(mm)	LxWxH(mm)
5	2000		

328×235×50

328×235×57