



RXQ Series

Features

- 105°C, 8,000 ~ 10,000 hours assured
- Suitable for switching power supplies, UPS, Ballast
- Smaller case size current
- RoHS Compliance

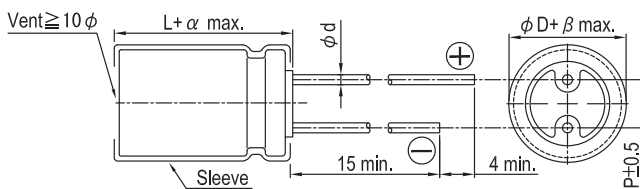


Sleeve & Marking Color: Black & Golden

Specifications

Items	Performance																								
	Category Temperature Range	160 ~ 400V -40°C ~ +105°C	450V -25°C ~ +105°C																						
Capacitance Tolerance	±20% (at 120Hz, 20°C)																								
Leakage Current (at 20°C)	<table border="1"> <tr> <td>Time</td> <td colspan="2">after 5 minutes</td> </tr> <tr> <td rowspan="2">Leakage Current</td> <td>CV ≤ 1,000 I = 0.03CV + 15(μA)</td> <td>CV > 1,000 I = 0.02CV + 25(μA)</td> </tr> </table> <p>Where, C = rated capacitance in μF V = rated DC working voltage in V</p>		Time	after 5 minutes		Leakage Current	CV ≤ 1,000 I = 0.03CV + 15(μA)	CV > 1,000 I = 0.02CV + 25(μA)																	
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Frequency (Hz)		120	1k	10k	100k up																				
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Diagram of Dimensions

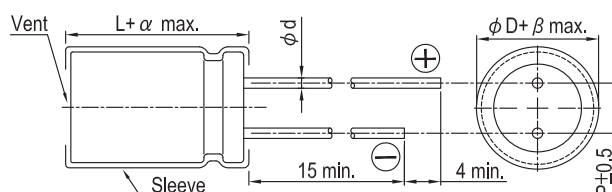


Lead Spacing and Diameter

φD	10	12.5	16	18
P	5.0	5.0	7.5	7.5
φd	0.6		0.8	
α	L<20: 1.5, L≥20: 2.0			
β	0.5			

Unit: mm

The case size of 16×20, 18×20 and 18×25 are suitable for below diagram:





Dimension: $\phi D \times L$ (mm)
Ripple Current: mA/rms at 105°C

Dimension and Permissible Ripple Current

Cap. (μ F)	Contents	160V (2C)		200V (2D)			250V (2E)			350V (2V)			400V (2G)			
		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current	
			120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz
6.8											10×16	110	275	10×16	110	275
10		10×12.5	100	250	10×16	125	313	10×20	140	350	10×20	140	350	10×20	140	350
22		10×16 10×20	170 200	425 500	10×20	200	500	10×20	200	500	12.5×20	260	650	12.5×20	260	650
33		10×20	250	625	10×20	260	650	12.5×20	320	800	16×20	360	900	16×20	360	900
47		10×20	300	750	12.5×20	390	975	12.5×20	390	975	16×20	430	1,075	16×25 18×20	470 450	1,175 1,125
68		12.5×20	470	1,175	12.5×20	470	1,175	16×20	520	1,300	16×25 18×20	560 550	1,400 1,375	18×25	585	1,463
82		12.5×20	510	1,275	16×20	550	1,375	16×20	550	1,375	18×25	610	1,525	18×25	610	1,525
100		12.5×25 16×20	620 630	1,395 1,418	16×20	630	1,418	16×25	680	1,530	18×25	700	1,575	18×31.5	765	1,721
120											18×31.5	830	1,868	18×35.5	865	1,946
150		16×25	770	1,733	16×25	840	1,890	18×25	860	1,935	18×35.5	960	2,160	18×40	985	2,216
220		16×31.5	1,020	2,295	18×25	1,050	2,363	18×31.5	1,130	2,543						
330		18×35.5	1,390	3,128	18×35.5	1,430	3,218									

Cap. (μ F)	Contents	450V (2W)		
		$\phi D \times L$	Ripple Current	
			120 Hz	100k Hz
6.8		10×20	110	275
10		12.5×20	180	450
22		16×20	290	725
33		16×25 18×20	390 380	975 950
47		18×25	480	1,200
68		18×31.5	630	1,575
82		18×35.5	715	1,788
100		18×40	800	1,800

Part Numbering System

RXQ Series 10 μ F \pm 20% 450V Bulk Package Gas Type 12.5 ϕ × 20L Pb-free and PET sleeve

RXQ **100** **M** **2W** **BK** - **1320**

Series Name Capacitance Capacitance Tolerance Rated Voltage Lead Configuration & Package Rubber Type Case Size Lead Wire and Sleeve type

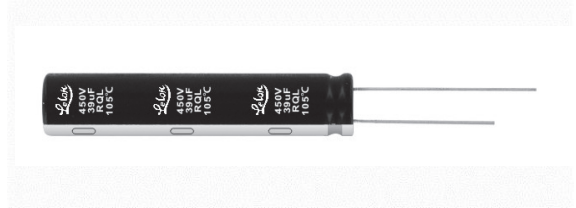
Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 13.

Radial

RQL Series

Features

- 105°C, 10,000 hours assured
- 10 φ ~ 18 φ with large permissible ripple current
- Slim type included
- RoHS Compliance

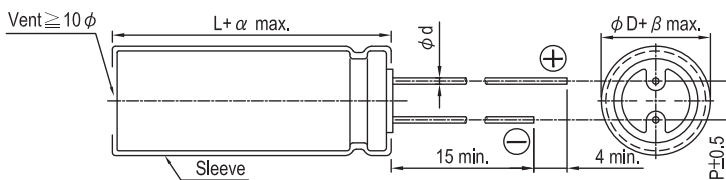


Sleeve & Marking Color: Black & Golden

Specifications

Items	Performance																		
	Category Temperature Range	400V -40°C ~ +105°C		420 ~ 450V -25°C ~ +105°C															
Capacitance Tolerance	±20% (at 120Hz, 20°C)																		
Leakage Current (at 20°C)	<table border="1"> <thead> <tr> <th rowspan="2">Time</th> <th colspan="2">after 5 minutes</th> </tr> <tr> <th>CV ≤ 1,000 I = 0.03CV + 15(μA)</th> <th>CV > 1,000 I = 0.02CV + 25(μA)</th> </tr> </thead> </table> <p>Where, C = rated capacitance in μF V = rated DC working voltage in V</p>					Time	after 5 minutes		CV ≤ 1,000 I = 0.03CV + 15(μA)	CV > 1,000 I = 0.02CV + 25(μA)									
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Frequency (Hz)	60	120	500	1k	10k up														
Multipliers	0.80	1.00	1.25	1.40	1.50														

Diagram of Dimensions



Lead Spacing and Diameter

φD	10	12.5	16	18
P	5.0	5.0	7.5	7.5
φd	0.6		0.8	
α	2.0			
β	0.5			

Unit: mm



Dimension: $\phi D \times L$ (mm)
Ripple Current: mA/rms at 105°C

Dimension and Permissible Ripple Current

Rated Voltage V_{DC}	Cap. (μF)	10 ϕ		12.5 ϕ		16 ϕ			18 ϕ				
		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current		Ripple Current		$\phi D \times L$	Ripple Current		
			120 Hz	100k Hz		120 Hz	100k Hz	120 Hz	100k Hz		120 Hz	100k Hz	
400V (2G)	33	10×40	315	475									
	39	10×45	360	545									
	47	10×50	420	630	12.5×30	440	660						
	56				12.5×35	500	750						
	68				12.5×40	580	870	16×31.5	530	795			
	82				12.5×50	625	935	16×35.5	615	920			
	100							16×40	715	1,070			
	120							16×40 16×45	800 840	1,200 1,260	18×35.5 18×40	790 870	1,185 1,305
	150							16×50	990	1,485	18×45	985	1,475
										18×50	1,120	1,685	
420V (2P)	33	10×40	370	555									
	39	10×45	410	615	12.5×30	390	585						
	47	10×50	465	700	12.5×35	450	675						
	56				12.5×40	520	780	16×31.5	500	750			
	68				12.5×45	580	870	16×35.5	580	870			
	82				12.5×50	660	990	16×35.5 16×40	730 675	1,095 1,010			
	100							16×40 16×45	750 755	1,125 1,130	18×35.5	725	1,085
	120							16×50	865	1,300	18×40 18×45	835 880	1,250 1,320
	150										18×50	1,030	1,550
450V (2W)	33	10×45	330	495	12.5×30	370	555						
	39	10×50	380	570	12.5×35	420	630						
	47				12.5×40	480	720						
	53				12.5×45	500	750						
	56				12.5×45	530	795	16×31.5	510	765			
	68				12.5×50	620	930	16×35.5	590	885			
	82							16×40	615	920	18×35.5	645	965
	100							16×45	715	1,070	18×40	750	1,125
	120							16×50	820	1,230	18×45	835	1,250
150										18×50	975	1,465	

Remark: Other sizes and specification are available, please contact us for detail.

Part Numbering System

RQL Series	39 μF	$\pm 20\%$	450V	Bulk Package	Gas Type	10 ϕ ×50L	Pb-free and PET sleeve
RQL	390	M	2W	BK	-	1050	
Series Name	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration & Package	Rubber Type	Case Size	Lead Wire and Sleeve type

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 13.

Radial

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[450MXK330MA2RFC22X50](#) [63ZLH560MEFCG412.5X30](#) [ELH2DM331O25KT](#) [ELH2DM471P30KT](#)