

RPL Series

Features

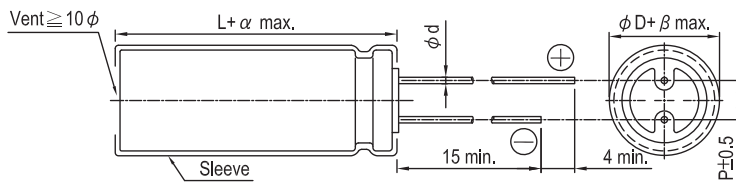
- 105°C, 5,000 hours assured
- 10 φ ~ 18 φ with large permissible ripple current
- Slim type included
- RoHS compliance



Specifications

Items	Performance																								
	Category Temperature Range	400V -40°C ~ +105°C		420 ~ 450V -25°C ~ +105°C																					
Capacitance Tolerance	±20% (at 120 Hz, 20°C)																								
Leakage Current (at 20°C)	<table border="1"> <thead> <tr> <th>Time</th> <th colspan="4">after 5 minutes</th> </tr> </thead> <tbody> <tr> <td>Leakage Current</td> <td>CV ≤ 1,000 I = 0.03CV + 15(µA)</td> <td colspan="2">CV > 1,000 I = 0.02CV + 25(µA)</td> <td></td> </tr> </tbody> </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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Tanδ (at 120 Hz, 20°C)	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>400</th> <th>420</th> <th colspan="2">450</th> </tr> </thead> <tbody> <tr> <td>Tanδ (max)</td> <td>0.24</td> <td>0.24</td> <td colspan="2">0.24</td> </tr> </tbody> </table>					Rated Voltage	400	420	450		Tanδ (max)	0.24	0.24	0.24											
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Diagram of Dimensions



Lead Spacing and Diameter

φ D	10	12.5	16	18
P	5.0	5.0	7.5	7.5
φ d	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		
		φ D×L	Ripple Current		φ D×L	Ripple Current		φ D×L	Ripple Current		φ D×L	Ripple Current		
			120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz	
400V (2G)	33	10×35	320	480										
	39	10×40	380	570	12.5×30	380	570							
	47	10×45	425	638										
	56	10×50	490	735	12.5×35	475	713							
	68				12.5×40	550	825	16×31.5	530	795				
	82				12.5×45	615	923	16×35.5	605	908				
	100							16×40	740	1,110				
	120							16×45	795	1,193	18×35.5	730	1,095	
150							16×50	865	1,300	18×45	910	1,365		
420V (2P)	33	10×40	350	525										
	39	10×45	390	585	12.5×30	380	570							
	47	10×50	445	668	12.5×35	410	615							
	56				12.5×40	490	735	16×31.5	475	713				
	68				12.5×45	560	840	16×35.5	550	825				
	82				12.5×50	625	938	16×40	630	945				
	100							16×45	750	1,125	18×35.5	675	1,013	
	120							16×50	865	1,298	18×40	810	1,238	
150										18×45	825	1,215		
150										18×45	950	1,425		
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450V (2W)	33	10×45	315	475	12.5×30	350	525							
	39	10×50	360	545	12.5×35	400	600							
	47				12.5×40	425	683	16×31.5	455	683				
	56				12.5×45	500	750	16×35.5	560	750				
	68				12.5×50	540	810	16×40	590	885				
	82							16×35.5	530	795				
	100							16×45	675	1,013	18×35.5	645	968	
	120							16×50	785	1,178	18×40	740	1,110	
	150										18×35.5	685	1,025	
150										18×45	825	1,238		
150										18×40	790	1,185		
150										18×50	950	1,425		

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

Part Numbering System

RPL Series 33μF ±20% 450V Bulk Package Gas Type 10 φ ×45L Pb-free and PET sleeve

RPL **330** **M** **2W** **BK** - **1045**

Series Name Capacitance Capacitance Tolerance Rated Voltage Lead Configuration and 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