

PHL Series

• 5~35°C 5,000Times.

- Non-solvent proof.
- For Photo Flash.
- RoHS compliant.
- Halogen-free capacitors are also available.



SPECIFICATIONS

Item	Characteristics						
Rated Voltage	300 ~ 330 V _{DC}						
Operating Temperature Range	-20 ~ +55°C						
Capacitance Tolerance	-10 ~ +20%(V) (at 20°C, 120Hz)						
Leakage Current	<table border="1"> <tr> <td>∅ D(mm)</td> <td>∅ 5~8</td> <td>∅ 10~</td> </tr> <tr> <td>LC(Max.)</td> <td>I = 2.0 × C</td> <td>I = 1.0 × C</td> </tr> </table> <p>Where, I:Max.Leakage current(μA) C: Nominal capacitance (μF) (at 20°C, 5 minutes)</p>	∅ D(mm)	∅ 5~8	∅ 10~	LC(Max.)	I = 2.0 × C	I = 1.0 × C
∅ D(mm)	∅ 5~8	∅ 10~					
LC(Max.)	I = 2.0 × C	I = 1.0 × C					
Dissipation Factor (Tanδ)	<table border="1"> <tr> <td>∅ D(mm)</td> <td>∅ 5~8</td> <td>∅ 10~</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.085</td> <td>0.06</td> </tr> </table> <p>(at 20°C, 120Hz)</p>	∅ D(mm)	∅ 5~8	∅ 10~	Tanδ(Max.)	0.085	0.06
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Tanδ(Max.)	0.085	0.06					
Charge and Discharge Characteristics	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after charge and discharge are repeated 5,000 times at room temperature (5 to 35°C) Discharge resistance or Xenon tube: 0.7~1.0 Ω.</p> <p>Capacitance change ≤ ±10% of the initial value Tanδ ≤ 150% of the initial specified value Leakage current ≤ 150% of the initial specified value</p>						
Shelf Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 55°C without voltage applied.</p> <p>Capacitance change ≤ ±10% of the initial value Tanδ ≤ 150% of the initial specified value Leakage current ≤ 150% of the initial specified value</p>						
Others	Satisfied characteristics EIAJ RC - 3801A						

RATINGS OF PHL Series

μF \ V _{DC}	300			315			330		
	5				5 × 16	6.3 × 10			
6.8					6.3 × 11				
10					6.3 × 15	8 × 11.5			
12.5					6.3 × 20	8 × 15			
15						8 × 17			
20						8 × 20			
30						8 × 23			
60	11.8 × 22						11.8 × 24		
80	11.8 × 27	13 × 25					11.8 × 29	13 × 27	
100	11.8 × 32	13 × 29	13.5 × 26				11.8 × 35	13 × 32	13.5 × 28
120		13 × 34	13.5 × 30					13 × 37	13.5 × 33
140		13 × 38	13.5 × 34					13 × 42	13.5 × 37
160		13 × 43	13.5 × 38						13.5 × 41

Note : Other case sizes, rated voltage or capacitance are also available upon request.

↑
Case size ∅ D × L(mm)

DIMENSIONS OF PHL Series

Unit (mm)

