

PH series

High Voltage/High Reliability



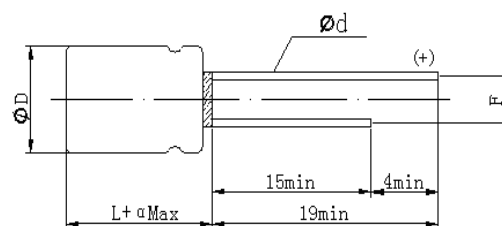
2 Features

- ◆ High voltage and high reliability
- ◆ Large permissible ripple current.
- ◆ Low ESR at high frequency range.

2 Specifications

2 Diagram of Dimensions (unit:mm)

Items	Characteristics	
Operating Temp. Range	-55°C~+105°C	
Capacitance Range	22~100 μ F	
Capacitance Tolerance	M: ±20%	
Rated Voltage Range	35V DC	
Dissipation Factor (at 120Hz,20°C)	Not to exceed the value specified	
Leakage Current	≤0.2CV (μ A, after 2 minutes)	
ESR (100K~300KHz)	Not to exceed the value specified	
Endurance 105°C, 2000h, at rated voltage	Capacitance	Within ±20% of the value before test
	Leakage current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified
Moisture Resistance Stored at 60°C, RH90~95%, 2000h	Capacitance	Within ±20% of the value before test
	Leakage Current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified



ΦD×L	ΦD+0.5max.	α	F	Φd±0.05
8×11.5	8.0	1.5	3.5	0.6
10×12.5	10.0	1.5	5.0	0.6

2 Characteristics List

W.V. (V)	Capacitance (μ F)	L.C. (μ A,2min)	tg δ (120Hz,20°C)	ESR (mΩ,100kHz)	Maximum Permissible Ripple Current(mA,r.m.s)	Size ΦD×L(mm)
35	10	100	0.12	25	2890	8*11.5
	22	154	0.12	25	2890	8*11.5
	33	231	0.12	25	2890	8*11.5
	39	273	0.12	25	2890	8*11.5
	47	329	0.12	25	2890	8*11.5
					3500	10*12.5
	56	392	0.12	25	2890	8*11.5
					3500	10*12.5
	68	476	0.12	20	3700	10*12.5
	82	574	0.12	20	3700	10*12.5
100	700	0.12	20	3700	10*12.5	

2 Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1