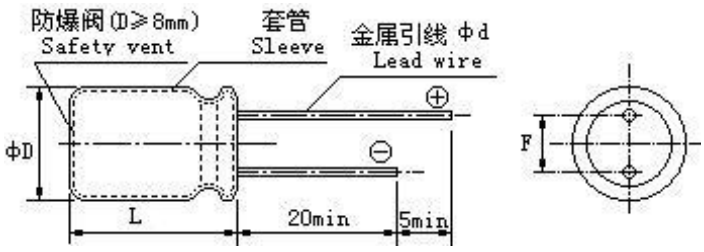
PH

- Low ESR, High voltage
- Endurance 2000 hours at 105℃
- Comply with the RoHS

SPECIFICATIONS

Category Temperature Range	-55+105℃
Voltage Range	35-200V.DC
Capacitance Tolerance	±20%(120Hz,20℃)
Leakage Current	I≤0.15CV(μA)（2 minutes）
Dissipation Factor (120Hz, 20℃)	The value on the property table
Equivalent Series Resistance (100KHz, 20℃)	The value on the property table
Endurance	In an environment of +105°C, apply the operating voltage with ripple current for 2000 hours, and after 16 hours of recovery, the product performance meets the following requirements: Capacitance Change: Within ±20% of initial measured Dissipation Factor: ≤ 150% of initial specified value ESR Value: ≤ 150% of initial specified value Leakage Current: ≤ initial specified value
Steady State Damp Heat Test	In an environment of +60°C and relative humidity of 90%-95%, placed for 2000 hours,and after 16 hours of recovery, the product performance meets the following requirements: Capacitance Change: Within ±20% of initial measured Dissipation Factor: ≤ 150% of initial specified value ESR Value: ≤ 150% of initial specified value Leakage Current: ≤ initial specified value

DRAWING & DIMENSIONS (Unit: mm)



ΦD	6.3	8	10
F±0.5	2.5	3.5	5.0
Φd±0.05	0.6	0.6	0.6
L	（L＜20）±1.0		
D	（D＜20）±0.5		

FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency (Hz)	120Hz≤f＜1KHz	1KHz≤f＜10KHz	10KHz≤f＜100KHz	100KHz≤f＜500KHz
Coefficient	0.05	0.30	0.70	1.00

Note：Any questions related to the parameters using，please contact Sincerity. www.sc-srdkj.com www.srdkj.com

PH

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

Rated Voltage（V）	Nominal Capacitance（uF）	Dimensions（mm）	ESR（mΩ）	Ripple Current（mA）	Dissipation	Part Number
35V (1V)	10	6.3X8	45	2000	0.12	PH1V100M6L08CYH00000
	15	6.3X8	45	2000	0.12	PH1V150M6L08CYH00000
	22	6.3X8	45	2000	0.12	PH1V220M6L08CYH00000
		8X8	35	2600	0.12	PH1V220M0808DYH00000
	33	8X8	35	2600	0.12	PH1V330M0808DYH00000
	39	8X8	35	2600	0.12	PH1V390M0808DYH00000
		8X11.5	30	2980	0.12	PH1V390M081BDYH00000
	47	8X8	35	2600	0.12	PH1V470M0808DYH00000
		8X11.5	30	2980	0.12	PH1V470M081BDYH00000
	56	8X11.5	30	2980	0.12	PH1V560M081BDYH00000
		10X12.5	28	3800	0.12	PH1V560M101CEYH00000
	68	8X11.5	30	2980	0.12	PH1V680M081BDYH00000
		10X12.5	28	3800	0.12	PH1V680M101CEYH00000
	82	8X11.5	30	2980	0.12	PH1V820M081BDYH00000
		10X12.5	28	3800	0.12	PH1V820M101CEYH00000
	100	8X11.5	30	2980	0.12	PH1V101M081BDYH00000
		10X12.5	28	3800	0.12	PH1V101M101CEYH00000
	150	10X12.5	28	3800	0.12	PH1V151M101CEYH00000
	220	10X12.5	28	3800	0.12	PH1V221M101CEYH00000
50V (1H)	10	6.3X8	45	2000	0.12	PH1H100M6L08CYH00000
	15	6.3X8	45	2000	0.12	PH1H150M6L08CYH00000
	22	8X8	45	2600	0.12	PH1H220M0808DYH00000
	33	8X8	45	2600	0.12	PH1H330M0808DYH00000
		8X11.5	45	2700	0.12	PH1H330M081BDYH00000
	39	8X11.5	45	2700	0.12	PH1H390M081BDYH00000
		10X12.5	45	2900	0.12	PH1H390M101CEYH00000
	47	10X12.5	45	2900	0.12	PH1H470M101CEYH00000
	56	10X12.5	45	2900	0.12	PH1H560M101CEYH00000
	82	10X12.5	45	2900	0.12	PH1H820M101CEYH00000
	100	10X12.5	45	2900	0.12	PH1H101M101CEYH00000
63V (1J)	10	6.3X8	45	1700	0.12	PH1J100M6L08CYH00000
	15	8X8	45	1900	0.12	PH1J150M0808DYH00000
	22	8X11.5	45	2700	0.12	PH1J220M081BDYH00000
	22	10X12.5	45	2900	0.12	PH1J220M101CEYH00000
	33	10X12.5	45	2900	0.12	PH1J330M101CEYH00000
	39	10X12.5	45	2900	0.12	PH1J390M101CEYH00000
	47	10X12.5	45	2900	0.12	PH1J470M101CEYH00000
	56	10X12.5	45	2900	0.12	PH1J560M101CEYH00000
	82	10X12.5	45	2900	0.12	PH1J820M101CEYH00000
80V (1K)	4.7	6.3X8	45	1700	0.12	PH1K4R7M6L08CYH00000
	10	6.3X8	45	1700	0.12	PH1K100M6L08CYH00000
	15	8X8	45	1900	0.12	PH1K150M0808DYH00000
	22	8X11.5	45	2700	0.12	PH1K220M081BDYH00000
	22	10X12.5	45	2900	0.12	PH1K220M101CEYH00000
	33	10X12.5	45	2900	0.12	PH1K330M101CEYH00000
	39	10X12.5	45	2900	0.12	PH1K390M101CEYH00000
	47	10X12.5	45	2900	0.12	PH1K470M101CEYH00000

Rated ripple current：(105℃,100KHz)；ESR：(20℃,100KHz)

PH

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

Rated Voltage（V）	Nominal Capacitance（uF）	Dimensions（mm）	ESR（mΩ）	Ripple Current（mA）	Dissipation	Part Number
100V (2A)	4.7	8X8	45	1700	0.12	PH2A4R7M0808DYH00000
	10	8X8	45	1700	0.12	PH2A100M0808DYH00000
	10	8X11.5	45	1900	0.12	PH2A100M081BDYH00000
	15	10X12.5	45	2700	0.12	PH2A150M101CEYH00000
	22	10X12.5	45	2900	0.12	PH2A220M101CEYH00000
160V (2C)	1.8	8X8	80	800	0.12	PH2C1R8M0808DYH00000
	3.3	8X8	80	800	0.12	PH2C3R3M0808DYH00000
	4.7	10X12.5	80	1200	0.12	PH2C4R7M101CEYH00000
	10	10X12.5	80	1200	0.12	PH2C100M101CEYH00000
200V (2D)	1.8	10X12.5	150	500	0.12	PH2D1R8M101CEYH00000
	3.3	10X12.5	150	500	0.12	PH2D3R3M101CEYH00000
	4.7	10X12.5	150	500	0.12	PH2D4R7M101CEYH00000

Rated ripple current：(105℃,100KHz)；ESR：(20℃,100KHz)