

PC

- Low ESR, High Ripple Current
- Endurance 2000 hours at 105°C
- Comply with the RoHS

SPECIFICATIONS

Category Temperature Range	-55+105°C								
Voltage Range	2.5-25V.DC								
Capacitance Tolerance	±20%(120Hz,20°C)								
Leakage Current	≤0.15CV(μA) (2 minutes)								
Dissipation Factor (120Hz, 20°C)	The value on the property table								
Equivalent Series Resistance (100KHz, 20°C)	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: <table border="1"> <tr> <td>Capacitance Change</td><td>Within ±20% of initial measured value</td></tr> <tr> <td>Dissipation Factor</td><td>≤ 150% of initial specified value</td></tr> <tr> <td>ESR value</td><td>≤ 150% of initial specified value</td></tr> <tr> <td>Leakage Current</td><td>≤ initial specified value</td></tr> </table>	Capacitance Change	Within ±20% of initial measured value	Dissipation Factor	≤ 150% of initial specified value	ESR value	≤ 150% of initial specified value	Leakage Current	≤ initial specified value
Capacitance Change	Within ±20% of initial measured value								
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: <table border="1"> <tr> <td>Capacitance Change</td><td>Within ±20% of initial measured value</td></tr> <tr> <td>Dissipation Factor</td><td>≤ 150% of initial specified value</td></tr> <tr> <td>ESR value</td><td>≤ 150% of initial specified value</td></tr> <tr> <td>Leakage Current</td><td>≤ initial specified value</td></tr> </table>	Capacitance Change	Within ±20% of initial measured value	Dissipation Factor	≤ 150% of initial specified value	ESR value	≤ 150% of initial specified value	Leakage Current	≤ initial specified value
Capacitance Change	Within ±20% of initial measured value								
Dissipation Factor	≤ 150% of initial specified value								
ESR value	≤ 150% of initial specified value								
Leakage Current	≤ initial specified value								

DRAWING & DIMENSIONS (Unit: mm)



ΦD	4X5-7	5X5-7	5X8-9	5X11	6.3X5-7	6.3X8-9	6.3X11	8X8	8X11.5	10X12.5
F±0.5	1.5	2.0	2.0	2.0	2.5	2.5	2.5	3.5	3.5	5
Φd±0.05	0.45	0.45	0.5	0.6	0.45	0.5	0.6	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

PC

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

Rated Voltage (V)	Nominal Capacitance (uF)	Dimensions (mm)	ESR (mΩ)	Ripple Current (mA)	Dissipation (%)	Part Number
2.5 (0E)	100	4X5	30	1670	8	PC0E101M0405AYH00000
		5X5	20	1970	8	PC0E101M0505BYH00000
	150	5X5	30	1970	8	PC0E151M0505BYH00000
		6.3X5.2	30	2200	8	PC0E151M6L5MCYH00000
	180	5X5	30	1970	8	PC0E181M0505BYH00000
		6.3X5.2	30	2200	8	PC0E181M6L5MCYH00000
	220	5X5	30	2200	8	PC0E221M0505BYH00000
		6.3X5.2	30	2610	8	PC0E221M6L5MCYH00000
	270	6.3X5.2	25	2610	8	PC0E271M6L5MCYH00000
		6.3X7	20	2690	8	PC0E271M6L07CYH00000
	330	6.3X5.2	25	2610	8	PC0E331M6L5MCYH00000
		6.3X7	20	2690	8	PC0E331M6L07CYH00000
	390	6.3X7	20	2690	8	PC0E391M6L07CYH00000
	470	6.3X7	15	3100	8	PC0E471M6L07CYH00000
	560	5X9	15	3100	8	PC0E561M0509BYH00000
		6.3X7	15	3100	8	PC0E561M6L07CYH00000
		8X8	12	5100	8	PC0E561M0808DYH00000
		8X11.5	12	5200	8	PC0E561M081BDYH00000
	680	6.3X11	15	3500	8	PC0E681M6L11CYH00000
		8X8	12	5200	8	PC0E681M0808DYH00000
		8X11.5	12	5200	8	PC0E681M081BDYH00000
	820	8X8	12	5200	8	PC0E821M0808DYH00000
		8X11.5	12	5200	8	PC0E821M081BDYH00000
	1000	8X8	12	5500	8	PC0E102M0808DYH00000
		8X11.5	12	5500	8	PC0E102M081BDYH00000
	1200	8X8	12	5500	8	PC0E122M0808DYH00000
		8X11.5	12	5500	8	PC0E122M081BDYH00000
	1500	8X8	12	5500	8	PC0E152M0808DYH00000
		8X11.5	12	5500	8	PC0E152M081BDYH00000
	2000	8X11.5	12	5900	8	PC0E202M081BDYH00000
		10X12.5	12	5900	8	PC0E202M101CEYH00000
	2200	10X12.5	12	5900	8	PC0E222M101CEYH00000
	2500	10X12.5	12	5900	8	PC0E252M101CEYH00000
	2700	10X12.5	12	5900	8	PC0E272M101CEYH00000
	3000	10X12.5	12	5900	8	PC0E302M101CEYH00000
	3300	10X12.5	12	5900	8	PC0E332M101CEYH00000
	3500	10X12.5	12	5900	10	PC0E352M101CEYH00000
4 (0G)	100	5X5	30	1970	8	PC0G101M0505BYH00000
	150	6.3X5.2	30	2200	8	PC0G151M6L5MCYH00000
		6.3X7	25	2670	8	PC0G151M6L07CYH00000
	180	6.3X5.2	30	2200	8	PC0G181M6L5MCYH00000
		6.3X7	25	2670	8	PC0G181M6L07CYH00000
	220	6.3X5.2	25	2610	8	PC0G221M6L5MCYH00000
		6.3X7	20	2690	8	PC0G221M6L07CYH00000
	270	6.3X5.2	25	2610	8	PC0G271M6L5MCYH00000
		6.3X7	20	2690	8	PC0G271M6L07CYH00000
	330	6.3X5.2	20	2690	8	PC0G331M6L5MCYH00000
		6.3X7	15	3100	8	PC0G331M6L07CYH00000

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

PC

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

Rated Voltage (V)	Nominal Capacitance (uF)	Dimensions (mm)	ESR (mΩ)	Ripple Current (mA)	Dissipation (%)	Part Number
4 (0G)	390	6.3X5.2	20	2690	8	PC0G391M6L5MCYH00000
		6.3X7	15	3100	8	PC0G391M6L07CYH00000
	470	6.3X7	15	3100	8	PC0G471M6L07CYH00000
		6.3X11	15	3500	8	PC0G561M6L11CYH00000
	560	8X8	12	5100	8	PC0G561M0808DYH00000
		8X11.5	12	5200	8	PC0G561M081BDYH00000
		8X8	12	5100	8	PC0G681M0808DYH00000
	680	8X11.5	12	5200	8	PC0G681M081BDYH00000
		8X8	12	5100	8	PC0G821M0808DYH00000
	820	8X11.5	12	5200	8	PC0G821M081BDYH00000
		10X12.5	12	5900	8	PC0G821M101CEYH00000
		8X8	12	5100	10	PC0G102M0808DYH00000
	1000	8X11.5	12	5500	10	PC0G102M081BDYH00000
		10X12.5	12	5900	10	PC0G102M101CEYH00000
		8X11.5	12	5500	10	PC0G122M081BDYH00000
	1200	10X12.5	12	5900	10	PC0G122M101CEYH00000
		8X11.5	12	5500	10	PC0G152M081BDYH00000
	1500	10X12.5	12	5900	10	PC0G152M101CEYH00000
		10X12.5	12	5900	10	PC0G202M101CEYH00000
6.3 (0J)	100	4X7	35	1900	8	PC0J101M0407AYH00000
		5X7	25	2100	8	PC0J101M0507BYH00000
		6.3X5.2	25	2390	8	PC0J101M6L5MCYH00000
		6.3X7	20	2690	8	PC0J101M6L07CYH00000
	150	4X7	35	1900	8	PC0J151M0407AYH00000
		5X7	25	2100	8	PC0J151M0507BYH00000
		6.3X5.2	25	2390	8	PC0J151M6L5MCYH00000
		6.3X7	20	2690	8	PC0J151M6L07CYH00000
	180	5X5	30	1970	8	PC0J181M0505BYH00000
		5X7	25	2300	8	PC0J181M0507BYH00000
		6.3X5.2	20	2690	8	PC0J181M6L5MCYH00000
		6.3X7	20	2690	8	PC0J181M6L07CYH00000
	220	5X7	20	2450	8	PC0J221M0507BYH00000
		6.3X5.2	20	2690	8	PC0J221M6L5MCYH00000
		6.3X7	15	3100	8	PC0J221M6L07CYH00000
		8X8	21	5100	8	PC0J221M0808DYH00000
		8X11.5	21	5100	8	PC0J221M081BDYH00000
	270	5X7	20	2450	8	PC0J271M0507BYH00000
		6.3X5.2	20	2690	8	PC0J271M6L5MCYH00000
		6.3X7	15	3100	8	PC0J271M6L07CYH00000
		8X8	21	5100	8	PC0J271M0808DYH00000
		8X11.5	21	5100	8	PC0J271M081BDYH00000
	330	6.3X5.2	20	2690	8	PC0J331M6L5MCYH00000
		5X9	15	3100	8	PC0J331M0509BYH00000
		6.3X7	15	3100	8	PC0J331M6L07CYH00000
		8X8	15	5100	8	PC0J331M0808DYH00000
		8X11.5	15	5500	8	PC0J331M081BDYH00000

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

PC

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

Rated Voltage (V)	Nominal Capacitance (uF)	Dimensions (mm)	ESR (mΩ)	Ripple Current (mA)	Dissipation (%)	Part Number
6.3 (0J)	390	5X9	15	3100	8	PC0J391M0509BYH00000
		6.3X7	15	3100	8	PC0J391M6L07CYH00000
		6.3X9	15	3100	8	PC0J391M6L09CYH00000
		6.3X11	15	3500	8	PC0J391M6L11CYH00000
		8X8	15	5100	8	PC0J391M0808DYH00000
		8X11.5	15	5500	8	PC0J391M081BDYH00000
	470	6.3X7	15	3100	8	PC0J471M6L07CYH00000
		6.3X9	15	3100	8	PC0J471M6L09CYH00000
		6.3X11	15	3500	8	PC0J471M6L11CYH00000
		8X8	12	5100	8	PC0J471M0808DYH00000
		8X11.5	12	5500	8	PC0J471M081BDYH00000
	560	8X8	12	5100	8	PC0J561M0808DYH00000
		8X11.5	12	5500	8	PC0J561M081BDYH00000
	680	6.3X9	15	3100	8	PC0J681M6L09CYH00000
		6.3X11	15	3500	8	PC0J681M6L11CYH00000
		8X8	10	5100	8	PC0J681M0808DYH00000
		8X11.5	12	5500	8	PC0J681M081BDYH00000
		10X12.5	12	5900	8	PC0J681M101CEYH00000
	820	6.3X11	15	3500	8	PC0J821M6L11CYH00000
		8X8	12	5100	10	PC0J821M0808DYH00000
		8X11.5	12	5500	10	PC0J821M081BDYH00000
		10X12.5	12	5900	10	PC0J821M101CEYH00000
	1000	8X8	12	5100	10	PC0J102M0808DYH00000
		8X11.5	12	5500	10	PC0J102M081BDYH00000
		10X12.5	12	5900	10	PC0J102M101CEYH00000
	1200	8X11.5	12	5500	10	PC0J122M081BDYH00000
		10X12.5	12	5900	10	PC0J122M101CEYH00000
	1500	8X11.5	12	5500	10	PC0J152M081BDYH00000
		10X12.5	12	5900	10	PC0J152M101CEYH00000
	2000	10X12.5	12	5900	10	PC0J202M101CEYH00000
	2200	10X12.5	12	5900	10	PC0J222M101CEYH00000
	2500	10X12.5	12	5900	10	PC0J252M101CEYH00000
10 (1A)	10	4X5	45	1200	8	PC1A100M0405AYH00000
	15	4X5	45	1200	8	PC1A150M0405AYH00000
	22	4X5	45	1200	8	PC1A220M0405AYH00000
	33	5X5	45	1670	8	PC1A330M0505BYH00000
		6.3X5.2	30	2200	8	PC1A330M6L5MCMYH00000
	39	5X5	45	1670	8	PC1A390M0505BYH00000
		6.3X5.2	30	2200	8	PC1A390M6L5MCMYH00000
	47	6.3X5.2	30	2200	8	PC1A470M6L5MCMYH00000
		6.3X7	20	2690	8	PC1A470M6L07CYH00000
	68	6.3X5.2	30	2200	8	PC1A680M6L5MCMYH00000
		6.3X7	20	2690	8	PC1A680M6L07CYH00000
	82	6.3X5.2	30	2200	8	PC1A820M6L5MCMYH00000
		6.3X7	20	2690	8	PC1A820M6L07CYH00000
	100	6.3X5.2	30	2200	8	PC1A101M6L5MCMYH00000
		6.3X7	20	2690	8	PC1A101M6L07CYH00000

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

PC

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

Rated Voltage (V)	Nominal Capacitance (uF)	Dimensions (mm)	ESR (mΩ)	Ripple Current (mA)	Dissipation (%)	Part Number
10 (1A)	150	6.3X5.2	25	2200	8	PC1A151M6L5MCYH00000
		6.3X7	20	2690	8	PC1A151M6L07CYH00000
	180	5X11	20	2690	8	PC1A181M0511BYH00000
		6.3X7	20	2690	8	PC1A181M6L07CYH00000
		6.3X9	20	2690	8	PC1A181M6L09CYH00000
		8X8	15	5100	8	PC1A181M0808DYH00000
		8X11.5	15	5500	8	PC1A181M081BDYH00000
	220	5X11	20	2690	8	PC1A221M0511BYH00000
		6.3X7	20	2690	8	PC1A221M6L07CYH00000
		6.3X9	20	2690	8	PC1A221M6L09CYH00000
		8X8	15	5100	8	PC1A221M0808DYH00000
		8X11.5	15	5500	8	PC1A221M081BDYH00000
	270	5X11	20	2690	8	PC1A271M0511BYH00000
		6.3X7	20	3100	8	PC1A271M6L07CYH00000
		6.3X9	20	3100	8	PC1A271M6L09CYH00000
		6.3X11	15	3500	8	PC1A271M6L11CYH00000
		8X8	15	5500	8	PC1A271M0808DYH00000
		8X11.5	15	5900	8	PC1A271M081BDYH00000
	330	6.3X9	15	3100	8	PC1A331M6L09CYH00000
		6.3X11	15	3500	8	PC1A331M6L11CYH00000
		8X8	12	5100	8	PC1A331M0808DYH00000
		8X11.5	12	5500	8	PC1A331M081BDYH00000
	390	6.3X9	15	3100	8	PC1A391M6L09CYH00000
		6.3X11	15	3500	8	PC1A391M6L11CYH00000
		8X8	12	5500	8	PC1A391M0808DYH00000
		8X11.5	12	5500	8	PC1A391M081BDYH00000
	470	6.3X9	15	3100	8	PC1A471M6L09CYH00000
		6.3X11	15	3500	8	PC1A471M6L11CYH00000
		8X8	12	5500	8	PC1A471M0808DYH00000
		8X11.5	12	5500	8	PC1A471M081BDYH00000
	560	8X8	12	5500	8	PC1A561M0808DYH00000
		8X11.5	12	5500	8	PC1A561M081BDYH00000
	680	8X8	12	5100	10	PC1A681M0808DYH00000
		8X11.5	12	5500	10	PC1A681M081BDYH00000
		10X12.5	12	5900	10	PC1A681M101CEYH00000
	820	8X11.5	12	5500	10	PC1A821M081BDYH00000
		10X12.5	12	5900	10	PC1A821M101CEYH00000
	1000	8X11.5	12	5500	10	PC1A102M081BDYH00000
		10X12.5	12	5900	10	PC1A102M101CEYH00000
	1200	10X12.5	12	5900	10	PC1A122M101CEYH00000
	1500	10X12.5	12	5900	10	PC1A152M101CEYH00000

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

PC

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

Rated Voltage (V)	Nominal Capacitance (uF)	Dimensions (mm)	ESR (mΩ)	Ripple Current (mA)	Dissipation (%)	Part Number
16 (1C)	10	6.3X5.2	30	2200	8	PC1C100M6L5MCYH00000
		6.3X7	25	2610	8	PC1C100M6L07CYH00000
	15	6.3X5.2	30	2200	8	PC1C150M6L5MCYH00000
		6.3X7	25	2610	8	PC1C150M6L07CYH00000
	22	6.3X5.2	30	2200	8	PC1C220M6L5MCYH00000
		6.3X7	25	2610	8	PC1C220M6L07CYH00000
	33	6.3X5.2	30	2200	8	PC1C330M6L5MCYH00000
		6.3X7	25	2610	8	PC1C330M6L07CYH00000
	47	6.3X5.2	30	2200	8	PC1C470M6L5MCYH00000
		6.3X7	25	2610	8	PC1C470M6L07CYH00000
	68	6.3X5.2	30	2200	8	PC1C680M6L5MCYH00000
		6.3X7	20	2690	8	PC1C680M6L07CYH00000
	82	6.3X7	20	2690	8	PC1C820M6L07CYH00000
	100	6.3X5.2	30	2200	8	PC1C101M6L5MCYH00000
		5X11	20	2690	8	PC1C101M0511BYH00000
		6.3X7	20	2690	8	PC1C101M6L07CYH00000
		6.3X11	15	3500	8	PC1C101M6L11CYH00000
		8X8	12	4800	8	PC1C101M0808DYH00000
	150	6.3X7	20	2690	8	PC1C151M6L07CYH00000
		6.3X11	15	3500	8	PC1C151M6L11CYH00000
		8X8	12	4500	8	PC1C151M0808DYH00000
	180	6.3X9	20	3100	8	PC1C181M6L09CYH00000
		6.3X11	15	3500	8	PC1C181M6L11CYH00000
		8X8	15	4500	8	PC1C181M0808DYH00000
	220	8X11.5	15	4800	8	PC1C181M081BDYH00000
		6.3X9	20	3100	8	PC1C221M6L09CYH00000
		6.3X11	15	3500	8	PC1C221M6L11CYH00000
		8X8	15	4500	8	PC1C221M0808DYH00000
		8X11.5	15	5000	8	PC1C221M081BDYH00000
	270	6.3X11	15	3500	8	PC1C271M6L11CYH00000
		8X8	12	4500	8	PC1C271M0808DYH00000
		8X11.5	15	5000	8	PC1C271M081BDYH00000
		10X12.5	12	5500	8	PC1C271M101CEYH00000
	330	8X8	12	4500	8	PC1C331M0808DYH00000
		8X11.5	12	5000	8	PC1C331M081BDYH00000
		10X12.5	12	5500	8	PC1C331M101CEYH00000
	390	8X8	12	4500	8	PC1C391M0808DYH00000
		8X11.5	12	5000	8	PC1C391M081BDYH00000
		10X12.5	12	5500	8	PC1C391M101CEYH00000
	470	8X11.5	12	5000	10	PC1C471M081BDYH00000
		10X12.5	12	5500	10	PC1C471M101CEYH00000
	560	8X11.5	12	5000	10	PC1C561M081BDYH00000
		10X12.5	12	5500	10	PC1C561M101CEYH00000
	680	10X12.5	12	5500	10	PC1C681M101CEYH00000
	820	10X12.5	12	5500	10	PC1C821M101CEYH00000
	1000	10X12.5	12	5500	10	PC1C102M101CEYH00000

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

PC

NOMINAL CAPACITANCE, RATED VOLTAGE & DIMENSIONS

Rated Voltage (V)	Nominal Capacitance (uF)	Dimensions (mm)	ESR (mΩ)	Ripple Current (mA)	Dissipation (%)	Part Number
25 (1E)	10	6.3X5.2	30	2200	8	PC1E100M6L5MCYH00000
		6.3X7	25	2670	8	PC1E100M6L07CYH00000
	15	6.3X5.2	25	2200	8	PC1E150M6L5MCYH00000
		6.3X7	25	2670	8	PC1E150M6L07CYH00000
	22	6.3X7	25	2670	8	PC1E220M6L07CYH00000
		6.3X9	25	2670	8	PC1E220M6L09CYH00000
	33	6.3X7	25	2670	8	PC1E330M6L07CYH00000
		6.3X9	25	2670	8	PC1E330M6L09CYH00000
	39	6.3X7	25	2670	8	PC1E390M6L07CYH00000
		6.3X9	25	2670	8	PC1E390M6L09CYH00000
		8X8	25	4100	8	PC1E390M0808DYH00000
		8X11.5	25	4500	8	PC1E390M081BDYH00000
	47	6.3X9	25	2670	8	PC1E470M6L09CYH00000
		6.3X11	20	2900	8	PC1E470M6L11CYH00000
		8X8	20	4100	8	PC1E470M0808DYH00000
		8X11.5	20	4500	8	PC1E470M081BDYH00000
	68	6.3X11	20	2900	8	PC1E680M6L11CYH00000
		8X8	20	4100	8	PC1E680M0808DYH00000
		8X11.5	20	4500	8	PC1E680M081BDYH00000
	82	8X8	20	4100	8	PC1E820M0808DYH00000
		8X11.5	20	4500	8	PC1E820M081BDYH00000
	100	8X8	15	4100	8	PC1E101M0808DYH00000
		8X11.5	20	4500	8	PC1E101M081BDYH00000
		10X12.5	20	4900	8	PC1E101M101CEYH00000
	150	8X8	25	3500	8	PC1E151M0808DYH00000
		8X11.5	20	4100	8	PC1E151M081BDYH00000
		10X12.5	20	4900	8	PC1E151M101CEYH00000
	180	8X8	25	3500	8	PC1E181M0808DYH00000
		8X11.5	25	3800	8	PC1E181M081BDYH00000
		10X12.5	20	4900	8	PC1E181M101CEYH00000
	220	8X8	25	3500	8	PC1E221M0808DYH00000
		8X11.5	25	3800	8	PC1E221M081BDYH00000
		10X12.5	20	4900	8	PC1E221M101CEYH00000
	270	8X11.5	25	3800	8	PC1E271M081BDYH00000
		10X12.5	20	4900	8	PC1E271M101CEYH00000
	330	8X11.5	25	3800	8	PC1E331M081BDYH00000
		10X12.5	20	4900	8	PC1E331M101CEYH00000
	390	10X12.5	25	4100	8	PC1E391M101CEYH00000
	470	10X12.5	25	4100	8	PC1E471M101CEYH00000

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