

应用领域 Application

高铁	CRH
飞机	The plane
船舶	The ship
中频电炉	Medium frequency
冰箱	Refrigerator
医疗设备	Medical equipment
汽车工业	Automobile industry
豆浆机	Soybeam milk machine
智能马桶	Valtoo
电暖器	Elctric heater
电吹风	Hair dryer
壁炉	Fireplace
干衣机	Clothes dryers
投影仪	Projector
碎纸机	Shredder
电水壶	Electric kettle
塑封机	Sealing machine
烤面包机	Toaster
咖啡机	Coffee machine
煎药壶	Decocting pot
饮水机	Water dispencer
微波炉	Microwave ovens
热水器	Water heater



亮群股份有限公司

亮群电子（常熟）有限公司（亚太大陆工厂生产基地）

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亮群电子(常熟)有限公司 LIGHT COUNTRY



亮群股份有限公司





PV
PV

高分子导电型(标准品)——贴片型

Series Conductive polymer type(Standard type)-----SMD type

特点 Features

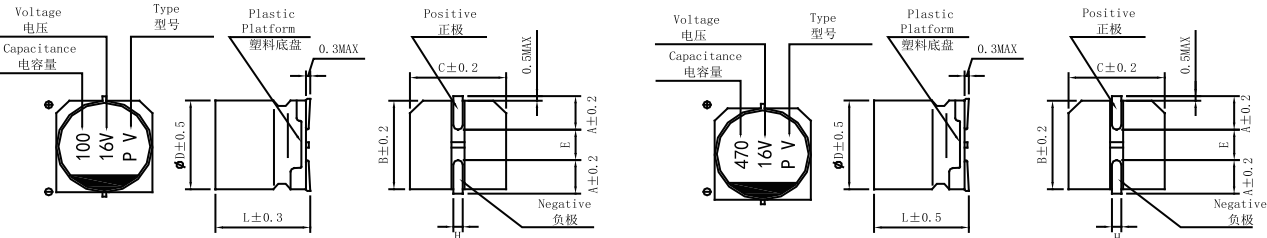
- 适用于表面贴装。Use for surface munted type.
- 适用于无铅回流焊。The product can support lead free -reflow .
- ROHS指令已对应完毕。Adapted to the ROHS directive.



主要技术性能 Specifications

项目 Items	特性 Characteristics			
工作温度范围 Operating Temperature Range	-55℃ ~ +105℃			
额定电压范围 Rated Voltage Range	2.5V ~25V			
标称电容量范围 Nominal Capacitance Range	3.3 ~ 2200μF			
标称电容量允许偏差 Nominal Capacitance Tolerance	±20% (20℃ , 120Hz)			
漏电流 Leakage Current	≤表1规定值 Less than or equal to the value of table1 2分钟 at 20℃, after 2 minutes			
损耗角正切 (tgδ) Dissipation Factor (Max)	20℃, 120Hz	直径 tgδ	Φ4~Φ5 0.10	Φ6.3~Φ10 0.08
ESR	≤表1规定值 Less than or equal to the value of table1			
高低温特性比 Characteristics of impedance ratio at high temp. and low temp.	要求在100KHZ 20℃ Based the value at 100KHZ. +20℃	-55℃ +105℃	Z/Z20℃ Z/Z20℃	0.75 to 1.25 0.75 to 1.25
耐久性 Load Life	+105℃施加额定电压2000小时后，电容器应满足以下要求： After2000 hours’ application of rated voltage at 105℃, the capacitor shall meet the following requirement:			
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)		
	损耗角正切 Dissipation Factor	≤150%初始规定值 Not more than 150% of the initial specified value		
	阻抗 Equivalent Series Resistance	≤150%初始规定值 Not more than 150% of the initial specified value		
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value		
稳态湿热 Damp heat(Steady state)	60℃, 90~95% RH, 不加电压1000小时 60℃, 90~95% RH, 1000 hours, No-applied voltage.			
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)		
	损耗角正切 Dissipation Factor	≤150%初始规定值 Not more than 150% of the initial specified value		
	阻抗 Equivalent Series Resistance	≤150%初始规定值 Not more than 150% of the initial specified value		
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value		
耐焊接热 Resistance to Soldering Heat	(VPS) (260℃ X 10s)			
	电容量变化率 Capacitance Change	±10%初始值以内 Within ±10% of the initial value (16V以上: within ±15% of the initial value)		
	损耗角正切 Dissipation Factor	≤初始规定值 Not more than the initial specified value		
	阻抗 Equivalent Series Resistance	≤初始规定值 Not more than the initial specified value		
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value		

尺寸图 Dimensions



尺寸表 Size List

	4 × 5.4	5 × 5.4	6.3 × 5.4	6.3 × 9.5	8× 7.7	8× 9.5	8× 10.5	8×12.5	10 × 10.5	10 × 12.5
A	1.8	2.1	2.4	2.4	2.9	2.9	2.9	2.9	3.2	3.2
B	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
E	1.0	1.3	2.2	2.2	3.1	3.1	3.1	3.1	4.5	4.5
L	6	6	6	9.5	7.7	9.5	10.5	12.5	10.5	12.5
H	0.5 ~ 0.8				0.8~1.1					

标称电容量、额定电压、额定纹波电流与尺寸对应表

Nominal Capacitance, Rated Voltage, Rated Ripple Current and Case Size Table

Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
4×5.4	16	3.3	110	660	300	6.3×5.4	2.5	330	28	2800	300
	10	4.7	110	670	300		2.5	390	28	2800	300
	10	6.8	110	670	300	6.3×9.5	16	220	17	3100	704
	10	10	110	700	300		16	270	17	3100	864
	10	15	110	740	300		6.3	470	15	3100	592
	6.3	22	110	740	300		6.3	560	15	3100	706
5×5.4	4	33	110	740	300		4	470	15	3900	376
	20	10	110	1100	300		4	560	15	3900	448
	16	15	110	1100	300		2.5	470	15	3900	300
	16	22	110	1100	300		2.5	560	15	3900	300
	10	33	110	1200	300		2.5	820	15	3900	410
	6.3	47	110	1200	300		2.5	1000	15	3900	500
6.3×5.4	4	39	110	1100	300	8×7.7	25	10	35	2700	300
	4	68	110	1400	300		20	33	35	2700	300
	25	6.8	35	1400	300		20	47	35	2700	300
	25	27	35	2100	300		16	56	21	3100	300
	25	33	35	2100	300		16	82	21	3100	300
	20	22	35	2200	300		16	270	21	3100	864
	20	27	35	2200	300		10	120	21	3100	300
	16	39	35	1400	300		10	150	21	3100	300
	16	47	35	2100	300		6.3	220	15	3100	300
	16	68	35	2100	300		4	150	15	3100	300
	16	82	35	2100	300		4	330	15	3900	300
	16	100	35	2100	320		4	470	15	3900	376
	10	47	28	1400	300	8×9.5	4	560	15	3900	448
	10	56	28	1400	300		2.5	470	15	3900	300
	10	120	28	2100	300		2.5	560	15	3900	300
	6.3	82	28	1400	300		2.5	820	15	3900	410
	6.3	100	28	1500	300		2.5	1000	15	3900	500
	6.3	120	28	2500	300		16	270	15	4700	864
	6.3	220	28	2700	300		16	330	15	4700	1056
	4	150	28	1700	300		6.3	470	15	4700	592
	4	220	28	2100	300		6.3	560	15	5100	706
	4	330	28	2800	300		6.3	820	15	5100	1033
	2.5	220	28	2800	300		4	470	15	5300	376



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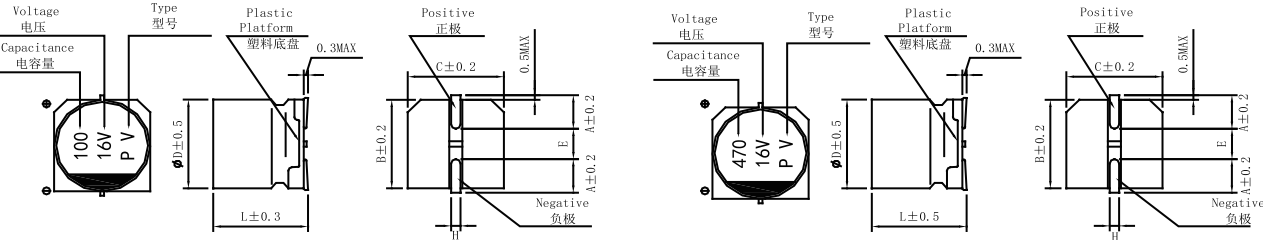
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耐久性 Load Life	+105℃施加额定电压2000小时后，电容器应满足以下要求： After2000 hours’ application of rated voltage at 105℃, the capacitor shall meet the following requirement:			
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)		
	损耗角正切 Dissipation Factor	≤150%初始规定值 Not more than 150% of the initial specified value		
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	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value		
耐焊接热 Resistance to Soldering Heat	(VPS) (260℃ X 10s)			
	电容量变化率 Capacitance Change	±10%初始值以内 Within ±10% of the initial value (16V以上: within ±15% of the initial value)		
	损耗角正切 Dissipation Factor	≤初始规定值 Not more than the initial specified value		
	阻抗 Equivalent Series Resistance	≤初始规定值 Not more than the initial specified value		
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value		

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A	1.8	2.1	2.4	2.4	2.9	2.9	2.9	2.9	3.2	3.2
B	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
E	1.0	1.3	2.2	2.2	3.1	3.1	3.1	3.1	4.5	4.5
L	6	6	6	9.5	7.7	9.5	10.5	12.5	10.5	12.5
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Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
4×5.4	16	3.3	110	660	300	6.3×5.4	2.5	330	28	2800	300
	10	4.7	110	670	300		2.5	390	28	2800	300
	10	6.8	110	670	300	6.3×9.5	16	220	17	3100	704
	10	10	110	700	300		16	270	17	3100	864
	10	15	110	740	300		6.3	470	15	3100	592
	6.3	22	110	740	300		6.3	560	15	3100	706
	4	33	110	740	300		4	470	15	3900	376
	20	10	110	1100	300		4	560	15	3900	448
5×5.4	16	15	110	1100	300		2.5	470	15	3900	300
	16	22	110	1100	300		2.5	560	15	3900	300
	10	33	110	1200	300		2.5	820	15	3900	410
	6.3	47	110	1200	300		2.5	1000	15	3900	500
	4	39	110	1100	300	8×7.7	25	10	35	2700	300
	4	68	110	1400	300		20	33	35	2700	300
6.3×5.4	25	6.8	35	1400	300		20	47	35	2700	300
	25	27	35	2100	300		16	56	21	3100	300
	25	33	35	2100	300		16	82	21	3100	300
	20	22	35	2200	300		16	270	21	3100	864
	20	27	35	2200	300		10	120	21	3100	300
	16	39	35	1400	300		10	150	21	3100	300
	16	47	35	2100	300		6.3	220	15	3100	300
	16	68	35	2100	300		4	150	15	3100	300
	16	82	35	2100	300		4	330	15	3900	300
	16	100	35	2100	320		4	470	15	3900	376
	10	47	28	1400	300		4	560	15	3900	448
	10	56	28	1400	300		2.5	470	15	3900	300
	10	120	28	2100	300		2.5	560	15	3900	300
	6.3	82	28	1400	300		2.5	820	15	3900	410
	6.3	100	28	1500	300		2.5	1000	15	3900	500
	6.3	120	28	2500	300	8×9.5	16	270	15	4700	864
	6.3	220	28	2700	300		16	330	15	4700	1056
	4	150	28	1700	300		6.3	470	15	4700	592
	4	220	28	2100	300		6.3	560	15	5100	706
	4	330	28	2800	300		6.3	820	15	5100	1033
	2.5	220	28	2800	300		4	470	15	5300	376

Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
8×7	16	56	18	3100	200	8×12	16	390	14	4700	1248
	16	82	18	3100	262		10	330	14	4700	660
	16	270	18	3100	864		10	390	14	4700	780
	10	120	18	3100	240		10	470	14	4700	940
	10	150	18	3100	300		6.3	820	12	5400	1033
	6.3	220	12	3100	277		6.3	1000	12	5400	1260
	4	150	12	3100	200		2.5	820	12	5400	410
	4	330	12	3900	264		2.5	1000	12	5400	500
	4	470	12	3900	376		2.5	1200	12	5400	600
	4	560	12	3900	448		2.5	1500	12	5400	750
	2.5	470	12	3900	235		25	56	30	3100	280
	2.5	560	12	3900	280		25	100	30	3100	500
	2.5	820	12	3900	410		25	150	30	3900	750
	2.5	1000	12	3900	500		20	150	30	3900	600
							20	220	30	3900	880
8×9	16	270	12	4700	864	10×10	20	270	30	3900	1080
	16	330	12	4700	1056		20	330	30	3900	1320
	6.3	470	12	4700	592		20	390	30	3900	1560
	6.3	560	12	5100	706		16	330	14	4700	1056
	6.3	820	12	5100	1033		16	390	14	4700	1248
	4	470	12	5300	376		16	470	14	4700	1504
	4	560	12	5400	448		10	470	14	4700	940
	4	820	12	5400	656		10	560	14	5400	1120
	4	1000	12	5400	800		6.3	820	12	5400	1033
	2.5	470	12	5400	235		4	1000	12	5400	800
	2.5	560	12	5400	280		4	1200	12	5400	960
	2.5	820	12	5400	410		2.5	1000	12	5400	500
	2.5	1000	12	5400	500		2.5	1200	12	5400	600
	2.5	1200	12	5400	600		2.5	1500	12	5400	750
							25	150	30	3100	750
8×10	25	33	30	2700	200	10×12	25	220	30	3100	1100
	20	100	30	3100	400		20	150	30	3100	600
	16	180	14	4700	576		20	220	30	3100	880
	16	220	14	4700	704		20	270	30	3100	1080
	16	270	14	4700	864		20	330	30	3100	1320
	16	330	14	4700	1056		20	390	30	3100	1560
	10	330	14	4700	660		20	470	30	3100	1880
	6.3	470	12	5100	592		16	330	14	4700	1056
	6.3	560	12	5400	706		16	390	14	4700	1248
	6.3	820	12	5400	1033		16	470	14	4700	1504
	4	560	12	5400	448		16	560	14	4700	1792
	4	680	12	5400	544		10	560	14	4700	1120
	4	820	12	5400	656		10	680	14	4700	1360
	4	1000	12	5400	800		6.3	820	12	5400	1033
	2.5	680	12	5400	340		6.3	1000	12	5400	1260
	2.5	820	12	5400	410		4	1000	12	5400	800
8×12	2.5	1000	12	5400	500		4	1200	12	5400	960
	2.5	1200	12	5400	600		4	1500	12	5400	1200
	25	100	30	3100	500		2.5	1000	12	5400	500
	20	100	30	3100	400		2.5	1200	12	5400	600
	20	150	30	3100	600		2.5	1500	12	5400	750
	16	220	14	4700	704		2.5	2200	12	5400	1100

ESR(100KHZ to 300KHZ)



PD 高分子导电型(低阻抗品)—贴片型

PD Series Conductive polymer type(Low ESR type)-----SMD type

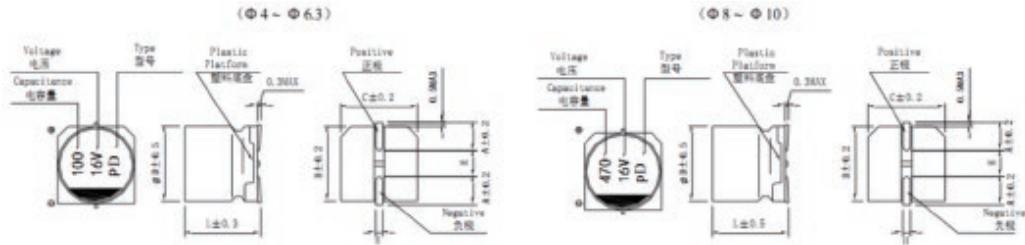
特点 Features

- 适用于表面贴装。Use for surface munted type.
- 适用于无铅回流焊。 The product can support lead free -reflow .
- ROHS指令已对应完毕。Adapted to the ROHS directive.

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ESR	≤表1规定值 Less than or equal to the value of table1			
高低温特性比 Characteristics of impedance ratio at high temp. and low temp	要求在100KHZ 20℃ Based the value at 100KHZ. +20℃	-55℃ +105℃	Z/Z20℃ Z/Z20℃	0.75 to 1.25 0.75 to 1.25
耐久性 Load Life	+105℃施加额定电压2000小时后，电容器应满足以下要求： After2000 hours' application of rated voltage at 105℃, the capacitor shall meet the following requirement:			
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)		
	损耗角正切 Dissipation Factor	≤150%初始规定值 Not more than 150% of the initial specified value		
	阻抗 Equivalent Series Resistance	≤150%初始规定值 Not more than 150% of the initial specified value		
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value		
稳态湿热 Damp heat(Steady state)	60℃, 90~95% RH, 不加电压1000小时 60℃, 90~95% RH, 1000 hours, No-applied voltage.			
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	阻抗 Equivalent Series Resistance	≤ 150%初始规定值 Not more than 150% of the initial specified value		
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value		
耐焊接热 Resistance to Soldering Heat	(VPS) (260℃ X 10s)			
	电容量变化率 Capacitance Change	±10%初始值以内 Within ±10% of the initial value (16V以上: within ±15% of the initial value)		
	损耗角正切 Dissipation Factor	≤ 初始规定值 Not more than the initial specified value		
	阻抗 Equivalent Series Resistance	≤ 初始规定值 Not more than the initial specified value		
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value		

尺寸图 Dimensions



Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
8×7	16	56	18	3100	200	8×12	16	390	14	4700	1248
	16	82	18	3100	262		10	330	14	4700	660
	16	270	18	3100	864		10	390	14	4700	780
	10	120	18	3100	240		10	470	14	4700	940
	10	150	18	3100	300		6.3	820	12	5400	1033
	6.3	220	12	3100	277		6.3	1000	12	5400	1260
	4	150	12	3100	200		2.5	820	12	5400	410
	4	330	12	3900	264		2.5	1000	12	5400	500
	4	470	12	3900	376		2.5	1200	12	5400	600
	4	560	12	3900	448		2.5	1500	12	5400	750
	2.5	470	12	3900	235		25	56	30	3100	280
	2.5	560	12	3900	280		25	100	30	3100	500
	2.5	820	12	3900	410		25	150	30	3900	750
	2.5	1000	12	3900	500		20	150	30	3900	600
							20	220	30	3900	880
8×9	16	270	12	4700	864	10×10	20	270	30	3900	1080
	16	330	12	4700	1056		20	330	30	3900	1320
	6.3	470	12	4700	592		20	390	30	3900	1560
	6.3	560	12	5100	706		16	330	14	4700	1056
	6.3	820	12	5100	1033		16	390	14	4700	1248
	4	470	12	5300	376		16	470	14	4700	1504
	4	560	12	5400	448		10	470	14	4700	940
	4	820	12	5400	656		10	560	14	5400	1120
	4	1000	12	5400	800		6.3	820	12	5400	1033
	2.5	470	12	5400	235		4	1000	12	5400	800
	2.5	560	12	5400	280		4	1200	12	5400	960
	2.5	820	12	5400	410		2.5	1000	12	5400	500
	2.5	1000	12	5400	500		2.5	1200	12	5400	600
	2.5	1200	12	5400	600		2.5	1500	12	5400	750
							25	150	30	3100	750
8×10	25	33	30	2700	200	10×12	25	220	30	3100	1100
	20	100	30	3100	400		20	150	30	3100	600
	16	180	14	4700	576		20	220	30	3100	880
	16	220	14	4700	704		20	270	30	3100	1080
	16	270	14	4700	864		20	330	30	3100	1320
	16	330	14	4700	1056		20	390	30	3100	1560
	10	330	14	4700	660		20	470	30	3100	1880
	6.3	470	12	5100	592		16	330	14	4700	1056
	6.3	560	12	5400	706		16	390	14	4700	1248
	6.3	820	12	5400	1033		16	470	14	4700	1504
	4	560	12	5400	448		16	560	14	4700	1792
	4	680	12	5400	544		10	560	14	4700	1120
	4	820	12	5400	656		10	680	14	4700	1360
	4	1000	12	5400	800		6.3	820	12	5400	1033
	2.5	680	12	5400	340		6.3	1000	12	5400	1260
	2.5	820	12	5400	410		4	1000	12	5400	800
8×12	2.5	1000	12	5400	500		4	1200	12	5400	960
	2.5	1200	12	5400	600		4	1500	12	5400	1200
	25	100	30	3100	500		2.5	1000	12	5400	500
	20	100	30	3100	400		2.5	1200	12	5400	600
	20	150	30	3100	600		2.5	1500	12	5400	750
	16	220	14	4700	704		2.5	2200	12	5400	1100

ESR(100KHZ to 300KHZ)



PD

PD

高分子导电型(低阻抗品)——贴片型

Series Conductive polymer type(Low ESR type)-----SMD type

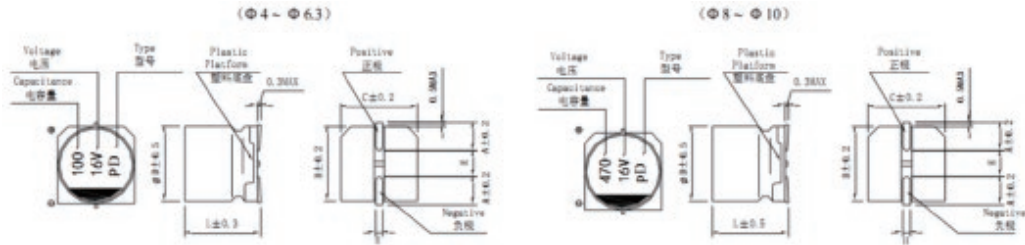
特点 Features

- 适用于表面贴装。Use for surface munted type.
- 适用于无铅回流焊。 The product can support lead free -reflow .
- ROHS指令已对应完毕。Adapted to the ROHS directive.

主要技术性能 Specifications

项目 Items	特性 Characteristics			
工作温度范围 Operating Temperature Range	-55℃ ~ +105℃			
额定电压范围 Rated Voltage Range	2.5V ~25V			
标称电容范围 Nominal Capacitance Range	3.3 ~ 2200μF			
标称电容允许偏差 Nominal Capacitance Tolerance	±20% (20℃ , 120Hz)			
漏电流 Leakage Current	≤表1规定值 Less than or equal to the value of table1 2分钟 at 20℃, after 2 minutes			
损耗角正切 (tgδ) Dissipation Factor (Max)	20℃, 120Hz	直径 tgδ	Φ4~Φ5 0.10	Φ6.3~Φ10 0.08
ESR	≤表1规定值 Less than or equal to the value of table1			
高低温特性比 Characteristics of impedance ratio at high temp. and low temp	要求在100KHZ 20℃ Based the value at 100KHZ. +20℃	-55℃ +105℃	Z/Z20℃ Z/Z20℃	0.75 to 1.25 0.75 to 1.25
耐久性 Load Life	+105℃施加额定电压2000小时后，电容器应满足以下要求： After2000 hours' application of rated voltage at 105℃, the capacitor shall meet the following requirement:			
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)		
	损耗角正切 Dissipation Factor	≤150%初始规定值 Not more than 150% of the initial specified value		
	阻抗 Equivalent Series Resistance	≤150%初始规定值 Not more than 150% of the initial specified value		
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value		
稳态湿热 Damp heat(Steady state)	60℃, 90~95% RH, 不加电压1000小时 60℃, 90~95% RH, 1000 hours, No-applied voltage.			
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)		
	损耗角正切 Dissipation Factor	≤ 150%初始规定值 Not more than 150% of the initial specified value		
	阻抗 Equivalent Series Resistance	≤ 150%初始规定值 Not more than 150% of the initial specified value		
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value		
耐焊接热 Resistance to Soldering Heat	(VPS) (260℃ X 10s)			
	电容量变化率 Capacitance Change	±10%初始值以内 Within ±10% of the initial value (16V以上: within ±15% of the initial value)		
	损耗角正切 Dissipation Factor	≤ 初始规定值 Not more than the initial specified value		
	阻抗 Equivalent Series Resistance	≤ 初始规定值 Not more than the initial specified value		
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value		

尺寸图 Dimensions





尺寸表 Size List

	4 × 5.4	5 × 5.4	6.3 × 5.4	6.3 × 9.5	8× 7.7	8× 9.5	8× 10.5	8×12.5	10 × 10.5	10 × 12.5
A	1.8	2.1	2.4	2.4	2.9	2.9	2.9	2.9	3.2	3.2
B	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
E	1.0	1.3	2.2	2.2	3.1	3.1	3.1	3.1	4.5	4.5
L	6	6	6	9.5	7.7	9.5	10.5	12.5	10.5	12.5
H	0.5 ~ 0.8				0.8~1.1					

标称电容量、额定电压、额定纹波电流与尺寸对应表
Nominal Capacitance, Rated Voltage, Rated Ripple Current and Case Size Table

Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
4×5.4	16	3.3	85	1020	300	6.3×5.4	2.5	330	18	3300	300
	10	4.7	85	1020	300		2.5	390	18	3300	300
	10	6.8	85	1020	300	6.3×9.5	16	220	13	4700	704
	10	10	85	1020	300		16	270	13	4700	864
	10	15	85	1020	300		6.3	470	10	4700	592
	6.3	22	85	1020	300		6.3	560	10	4700	706
	4	33	85	1020	300		4	470	10	5400	376
	20	10	85	1440	300		4	560	10	5400	448
	16	15	85	1440	300		2.5	470	10	5400	300
5×5.4	16	22	85	1440	300		2.5	560	10	5400	300
	10	33	85	1500	300		2.5	820	10	5400	410
	6.3	47	85	1500	300		2.5	1000	10	5400	500
	4	39	85	1500	300	8×7.7	25	10	28	3100	300
	4	68	85	1800	300		20	33	28	3100	300
	25	6.8	28	1800	300		20	47	28	3100	300
	25	27	28	2400	300		16	56	15	4700	300
	25	33	28	2400	300		16	82	15	4700	300
	20	22	28	2500	300		16	270	15	4700	864
	20	27	28	2500	300		10	120	15	4700	300
6.3×5.4	16	39	28	1820	300		10	150	15	4700	300
	16	47	28	2400	300		6.3	220	10	4700	300
	16	68	28	2400	300		4	150	10	4700	300
	16	82	28	2400	300		4	330	10	5400	300
	16	100	28	2400	320		4	470	10 10	5400	376
	10	47	18	1800	300		4	560	10	5400	448
	10	56	18	1800	300		2.5	470	10	5400	300
	10	120	18	2400	300		2.5	560	10	5400	300
	6.3	82	18	1800	300		2.5	820	10	5400	410
	6.3	100	18	1950	300		2.5	1000	10	5400	500
	6.3	120	18	2780	300	8×9.5	16	270	13	5100	864
	6.3	220	18	3100	300		16	330	13	5100	1056
	4	150	18	1950	300		6.3	470	10	5400	592
	4	220	18	2390	300		6.3	560	10	5700	706
	4	330	18	3300	300		6.3	820	10	5700	1033
	2.5	220	18	3300	300		4	470	10	5900	376

Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
8×9.5	4	560	10	6100	448	10×10.5	25	56	28	3800	300
	4	820	10	6100	656		25	100	28	3900	500
	4	1000	10	6100	800		25	150	28	4320	750
	2.5	470	10	6100	300		20	150	28	4700	600
	2.5	560	10	6100	300		20	220	28	4700	880
	2.5	820	10	6100	410		20	270	28	4700	1080
	2.5	1000		6100	500		20	330	28	4700	1320
8×10.5	2.5	1200	10	6100	600		20	390	28	4700	1560
	25	33	28	2980	300		16	330	13	4720	1056
	20	100	28	3320	400		16	390	13	5400	1248
	16	180	13	5100	576		16	470	13	5400	1504
	16	220	13	5100	704		10	470	13	5400	940
	16	270	13	5100	864		10	560	13	5400	1120
	16	330	13	5100	1056		6.3	820	10	6100	1033
	10	330	13	5100	660		4	1000	10	6100	800
	6.3	470	10	5700	592		4	1200	10	6100	960
	6.3	560	10	6100	706		2.5	1000	10	6100	500
	6.3	820	10	6100	1033		2.5	1200	10	6100	600
	4	560	10	6100	448		2.5	1500	10	6100	750
	4	680	10	6100	544	10×12.5	25	150	28	3900	750
	4	820	10	6100	656		25	220	28	3900	1100
	4	1000	10	6100	800		20	150	28	3900	600
	2.5	680	10	6100	340		20	220	28	3900	880
	2.5	820	10	6100	410		20	270	28	3900	1080
	2.5	1000	10	6100	500		20	330	28	3900	1320
	2.5	1200	10	6100	600		20	390	28	3900	1560
8×12.5	25	100	28	3900	500		20	470	2	3900	1880
	20	100	28	3900	400		16	330	13	5400	1056
	20	150	28	3900	600		16	390	13	5400	1248
	16	220	13	5100	704		16	470	13	5400	1504
	16	270	13	5100	864		16	560	13	5400	1792
	16	330	13	5100	1056		10	560	13	5400	1120
	16	390	13	5100	1248		10	680	13	5400	1360
	10	330	13	5400	660		6.3	820	10	6100	1033
	10	390	13	5400	780		6.3	1000	10	6100	1260
	10	470	13	5400	940		4	1000	10	6100	800
	6.3	820	10	6100	1033		4	1200	10	6100	960
	6.3	1000	10	6100	1260		4	1500	10	6100	1200
	2.5	820	10	6100	410		2.5	1000	10	6100	500
	2.5	1000	10	6100	500		2.5	1200	10	6100	600
	2.5	1200	10	6100	600		2.5	1500	10	6100	750
	2.5	1500	10	6100	750		2.5	2200	10	6100	1100

ESR(100KHZ to 300KHZ)

尺寸表 Size List

	4 × 5.4	5 × 5.4	6.3 × 5.4	6.3 × 9.5	8× 7.7	8× 9.5	8× 10.5	8×12.5	10 × 10.5	10 × 12.5
A	1.8	2.1	2.4	2.4	2.9	2.9	2.9	2.9	3.2	3.2
B	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
E	1.0	1.3	2.2	2.2	3.1	3.1	3.1	3.1	4.5	4.5
L	6	6	6	9.5	7.7	9.5	10.5	12.5	10.5	12.5
H	0.5 ~ 0.8				0.8~1.1					

标称电容量、额定电压、额定纹波电流与尺寸对应表
Nominal Capacitance, Rated Voltage, Rated Ripple Current and Case Size Table

Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
4×5.4	16	3.3	85	1020	300	6.3×5.4	2.5	330	18	3300	300
	10	4.7	85	1020	300		2.5	390	18	3300	300
	10	6.8	85	1020	300	6.3×9.5	16	220	13	4700	704
	10	10	85	1020	300		16	270	13	4700	864
	10	15	85	1020	300		6.3	470	10	4700	592
	6.3	22	85	1020	300		6.3	560	10	4700	706
	4	33	85	1020	300		4	470	10	5400	376
5×5.4	20	10	85	1440	300		4	560	10	5400	448
	16	15	85	1440	300		2.5	470	10	5400	300
	16	22	85	1440	300		2.5	560	10	5400	300
	10	33	85	1500	300		2.5	820	10	5400	410
	6.3	47	85	1500	300		2.5	1000	10	5400	500
	4	39	85	1500	300	8×7.7	25	10	28	3100	300
	4	68	85	1800	300		20	33	28	3100	300
6.3×5.4	25	6.8	28	1800	300		20	47	28	3100	300
	25	27	28	2400	300		16	56	15	4700	300
	25	33	28	2400	300		16	82	15	4700	300
	20	22	28	2500	300		16	270	15	4700	864
	20	27	28	2500	300		10	120	15	4700	300
	16	39	28	1820	300		10	150	15	4700	300
	16	47	28	2400	300		6.3	220	10	4700	300
	16	68	28	2400	300		4	150	10	4700	300
	16	82	28	2400	300		4	330	10	5400	300
	16	100	28	2400	320		4	470	10 10	5400	376
	10	47	18	1800	300		4	560	10	5400	448
	10	56	18	1800	300		2.5	470	10	5400	300
	10	120	18	2400	300		2.5	560	10	5400	300
	6.3	82	18	1800	300		2.5	820	10	5400	410
	6.3	100	18	1950	300		2.5	1000	10	5400	500
	6.3	120	18	2780	300	8×9.5	16	270	13	5100	864
	6.3	220	18	3100	300		16	330	13	5100	1056
	4	150	18	1950	300		6.3	470	10	5400	592
	4	220	18	2390	300		6.3	560	10	5700	706
	4	330	18	3300	300		6.3	820	10	5700	1033
	2.5	220	18	3300	300		4	470	10	5900	376



Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩmax.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
8×9.5	4	560	10	6100	448	10×10.5	25	56	28	3800	300
	4	820	10	6100	656		25	100	28	3900	500
	4	1000	10	6100	800		25	150	28	4320	750
	2.5	470	10	6100	300		20	150	28	4700	600
	2.5	560	10	6100	300		20	220	28	4700	880
	2.5	820	10	6100	410		20	270	28	4700	1080
	2.5	1000		6100	500		20	330	28	4700	1320
	2.5	1200	10	6100	600		20	390	28	4700	1560
8×10.5	25	33	28	2980	300		16	330	13	4720	1056
	20	100	28	3320	400		16	390	13	5400	1248
	16	180	13	5100	576		16	470	13	5400	1504
	16	220	13	5100	704		10	470	13	5400	940
	16	270	13	5100	864		10	560	13	5400	1120
	16	330	13	5100	1056		6.3	820	10	6100	1033
	10	330	13	5100	660		4	1000	10	6100	800
	6.3	470	10	5700	592		4	1200	10	6100	960
	6.3	560	10	6100	706		2.5	1000	10	6100	500
	6.3	820	10	6100	1033		2.5	1200	10	6100	600
	4	560	10	6100	448	10×12.5	2.5	1500	10	6100	750
	4	680	10	6100	544		25	150	28	3900	750
	4	820	10	6100	656		25	220	28	3900	1100
	4	1000	10	6100	800		20	150	28	3900	600
	2.5	680	10	6100	340		20	220	28	3900	880
	2.5	820	10	6100	410		20	270	28	3900	1080
	2.5	1000	10	6100	500		20	330	28	3900	1320
	2.5	1200	10	6100	600		20	390	28	3900	1560
8×12.5	25	100	28	3900	500		20	470	2	3900	1880
	20	100	28	3900	400		16	330	13	5400	1056
	20	150	28	3900	600		16	390	13	5400	1248
	16	220	13	5100	704		16	470	13	5400	1504
	16	270	13	5100	864		16	560	13	5400	1792
	16	330	13	5100	1056		10	560	13	5400	1120
	16	390	13	5100	1248		10	680	13	5400	1360
	10	330	13	5400	660		6.3	820	10	6100	1033
	10	390	13	5400	780		6.3	1000	10	6100	1260
	10	470	13	5400	940		4	1000	10	6100	800
	6.3	820	10	6100	1033		4	1200	10	6100	960
	6.3	1000	10	6100	1260		4	1500	10	6100	1200
	2.5	820	10	6100	410		2.5	1000	10	6100	500
	2.5	1000	10	6100	500		2.5	1200	10	6100	600
	2.5	1200	10	6100	600		2.5	1500	10	6100	750
	2.5	1500	10	6100	750		2.5	2200	10	6100	1100

ESR(100KHZ to 300KHZ)