



MKPA-MC

交流滤波电容



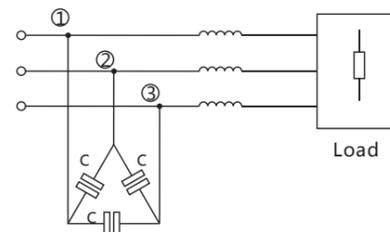
应用 / Application

- 广泛应用于电力电子设备中作交流滤波用；
- 在大功率UPS，开关电源，变频器等设备中作交流滤波，治理谐波及提高功率因数。
- Widely used in power electronic equipment used for the AC filler;
- In the high-power UPS, switching power supply, inverter and other equipment for the AC filler, harmonics and improve power factor control.

产品特点 / Introduction

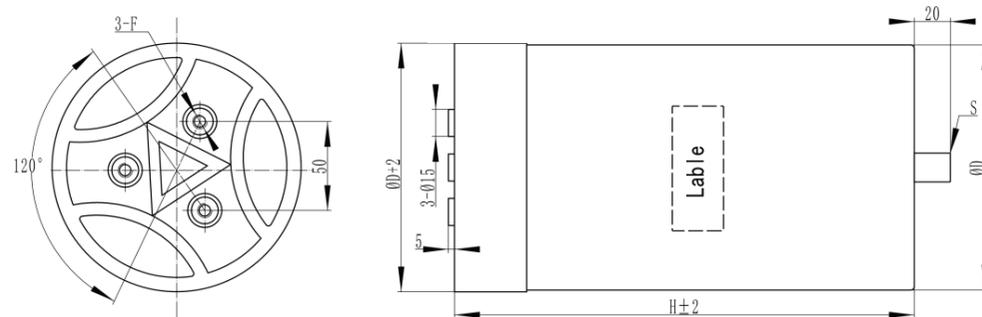
- 铝外壳封装，高温高导填充料注塑；
- 铜螺母、铜螺杆引出，安装简单方便，阻燃定位盖绝缘；
- 容值高，体积小，耐压高，自愈性强；
- 承受高谐波电流，高DV/DT承受力。
- Aluminum housing package, high temperature and high conductive filler injection molding;
- Copper nut, copper screw extraction, installation is simple and convenient, flame retardant positioning cover insulation;
- High capacitance, small size, high pressure level, self healing;
- High frequency harmonic current, high DV/DT bearing capacity.

典型应用电路 / Typical Circuit



AC Filter Capacitance(C)

外形图 / Outline Drawing



| 外形类型描述 Type description | | | | |
|-------------------------|-------|--------|-------|-------|
| ΦD(mm) | P(mm) | S(mm) | F(mm) | |
| 116 | 50 | M16*25 | M6*10 | M8*20 |
| 136 | 50 | M16*25 | M6*10 | M8*20 |
| | | | 螺母 | 螺杆 |



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技术参数 / Technical Data

| | |
|-------------------------------|-----------------------------|
| 执行标准 Implemented standard | GB/T 17702、IEC61071 |
| 气候等级 Climatic category | 40/85/21 |
| 额定电压 (Un) Rated Voltage | 400V.AC~850V.AC |
| 容量范围 (Cn) Capacitance range | 3*10 μF~3*300 μF |
| 容量偏差 Capacitance tolerance | ±5%(J)、±10% (K) |
| 耐电压 Withstand voltage | |
| 极间 between terminals | 2.15Un(VAC)/10S |
| 极壳 between terminals and case | 2Ui+1000V.AC@50HZ60S |
| 绝缘电阻 Insulation resistance | RixCn ≥ 10000S (100VDC.60S) |

常用规格 / Dimension

| Un=450V.AC Us=1350V | | | | | | | | | | | | |
|---------------------|---------|--------|----------|--------------|---------------------|---------------------|----------------------|----------------|-----------------------|--------|-------------|--------------------|
| Cn (μF) | φD (mm) | H (mm) | ESL (nH) | dv/dt (V/μS) | I _p (KA) | I _s (KA) | I _{rms} (A) | ESR (mΩ) @1KHz | R _{th} (K/W) | P (mm) | weight (Kg) | Part number |
| 3*110 | 116 | 130 | 100 | 60 | 6.6 | 19.8 | 3×50 | 3×0.78 | 4.5 | 43.5 | 1.6 | AMC0117K00450***** |
| 3*145 | 116 | 180 | 110 | 50 | 7.3 | 21.8 | 3×60 | 3×0.72 | 3.8 | 43.5 | 2.4 | AMC1457K00450***** |
| 3*175 | 116 | 210 | 120 | 50 | 8.8 | 26.3 | 3×75 | 3×0.67 | 3.5 | 43.5 | 2.7 | AMC1757K00450***** |
| 3*200 | 136 | 230 | 125 | 40 | 8.0 | 24.0 | 3×85 | 3×0.6 | 2.1 | 52 | 4.2 | AMC0207K00450***** |
| Un=500V.AC Us=1520V | | | | | | | | | | | | |
| Cn (μF) | φD (mm) | H (mm) | ESL (nH) | dv/dt (V/μS) | I _p (KA) | I _s (KA) | I _{rms} (A) | ESR (mΩ) @1KHz | R _{th} (K/W) | P (mm) | weight (Kg) | Part number |
| 3*100 | 116 | 180 | 100 | 80 | 8.0 | 24.0 | 3×45 | 3×0.78 | 4.5 | 43.5 | 2.6 | AMC0107K00500***** |
| 3*120 | 116 | 230 | 120 | 70 | 8.4 | 25.2 | 3×50 | 3×0.72 | 3.8 | 43.5 | 3 | AMC0127K00500***** |
| 3*125 | 136 | 180 | 110 | 40 | 5.0 | 15.0 | 3×70 | 3×0.67 | 3.5 | 52 | 3.2 | AMC1257K00500***** |
| 3*135 | 136 | 230 | 130 | 50 | 6.8 | 20.3 | 3×80 | 3×0.6 | 2.1 | 52 | 4.2 | AMC1357K00500***** |
| Un=690V.AC Us=2100V | | | | | | | | | | | | |
| Cn (μF) | φD (mm) | H (mm) | ESL (nH) | dv/dt (V/μS) | I _p (KA) | I _s (KA) | I _{rms} (A) | ESR (mΩ) @1KHz | R _{th} (K/W) | P (mm) | weight (Kg) | Part number |
| 3*49 | 116 | 230 | 120 | 70 | 3.4 | 10.3 | 3×56 | 3×0.55 | 2.1 | 43.5 | 3 | AMC0496K00690***** |
| 3*55.7 | 136 | 230 | 130 | 90 | 5.0 | 15.0 | 3×56 | 3×0.4 | 2.1 | 52 | 4.2 | AMC5576K00690***** |
| Un=850V.AC Us=2580V | | | | | | | | | | | | |
| Cn (μF) | φD (mm) | H (mm) | ESL (nH) | dv/dt (V/μS) | I _p (KA) | I _s (KA) | I _{rms} (A) | ESR (mΩ) @1KHz | R _{th} (K/W) | P (mm) | weight (Kg) | Part number |
| 3*41.5 | 116 | 230 | 120 | 80 | 3.0 | 9.0 | 3×56 | 3×0.55 | 2.1 | 43.5 | 3 | AMC4156K00850***** |
| 3*55.7 | 136 | 230 | 130 | 50 | 0.4 | 1.2 | 3×104 | 3×0.45 | 1.8 | 52 | 4.2 | AMC5576K00850***** |