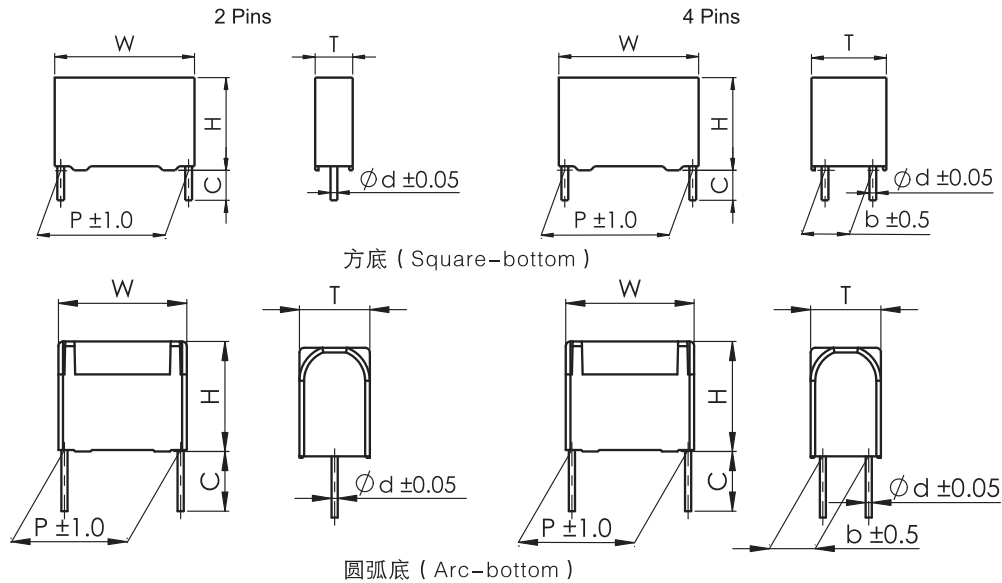


交流滤波电容器 (PCB) AC filter capacitor for PCB

■ 外形图 Outline Drawing





■ 特点

- 自愈
- 金属化聚丙烯膜结构
- 适用于小功率交流滤波电路，如UPS、太阳能光伏DC/AC逆变器中的LCL滤波

■ Features

- Self-healing
- Metallized polypropylene film structure
- Suitable for small power AC filter, i.e. UPS, Solar Photovoltaic DC/AC inverter with LCL filter

■ 安全认证 Safety Approvals

| | | | |
|---|---|-----------------------|---|
| ● |  | TUV Rheinland (德国) | EN 61071:2007, EN 61881-1:2011, U_{rms} : 180Vac ~ 500Vac, U_N : 250Vac ~ 700Vac 0.22 μ F ~ 60 μ F, -40°C/85°C 证书号 (Certificate No.): R 50266136 |
| ● |  | UL/CUL (美国/加拿大) | UL 810, CSA C22.2.No190, Construction Only, Max.660Vac, Max 90°C 证书号 (File No.): E256238, CCN: CZDS2/8 |

■ 技术要求 Specifications

| | | | | |
|---|---|----------------------------|----------------------------|-----------------------------|
| 引用标准 Reference Standard | GB/T 17702 (IEC 61071) | | | |
| 气候类别 Climatic Category | 40/85/56 | | | |
| 最高工作温度 (外壳温度) Max operating temperature range (Case) | -40°C ~ +105°C 85°C (+85°C to +105°C: decreasing factor 1.5% per °C for U_{rms}) | | | |
| 额定均方根电压 Rated RMS Voltage (U_{rms}) | 180Vac | 250Vac | 300Vac | 350Vac |
| 额定交流电压 Rated a.c. Voltage (U_N) | 250Vac | 350Vac | 425Vac | 480Vac |
| 最大连续直流电压 Maximum continuous DC voltage | 300Vdc | 475Vdc | 560Vdc | 600Vdc |
| 电容量范围 Capacitance Range | 4.0 μ F ~ 60.0 μ F | 1.0 μ F ~ 40.0 μ F | 1.0 μ F ~ 28.0 μ F | 0.33 μ F ~ 27.0 μ F |
| 电容量偏差 Capacitance Tolerance | $\pm 5\%$ (J), $\pm 10\%$ (K) | | | |
| 耐电压 Voltage Proof | 引线之间 Between Terminals: | 1.5 U_N (Vac) (10s) | | |
| | 极壳之间 Between Terminals To Case: | 3 000Vac(60s) | | |
| 绝缘电阻 Insulation Resistance ($IR \times C_N$) | $\geq 3\ 000s$ (20°C, 100Vdc, 1min) | | | |
| 损耗角正切 Dissipation Factor | $\leq 20 \times 10^{-4}$ (1kHz, 20°C) (Typical value, 15×10^{-4}) | | | |



C6A

产品编码说明 Part number system

■ 18位产品代码如下：

The 18 digits part number is formed as follow:

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| C | 6 | A | | | | | | | | | | | | | | | |

| | | | |
|---------|---|----------------|--|
| 第1~3位 | 型号代码 C6A | Digit 1 to 3 | Series code C6A |
| 第4~5位 | 额定均方根电压 L4=180V E2=250V Q1=300 V R2=350V | Digit 4 to 5 | Rated RMS Voltage L4=180V E2=250V Q1=300 V R2=350V |
| 第6~8位 | 标称容量 举例：156=15 × 10 ⁶ pF=15μF | Digit 6 to 8 | Rated capacitance value For example: 156=15 × 10 ⁶ pF=15μF |
| 第9位 | 容量等级 J= ± 5% K= ± 10% | Digit 9 | Capacitance tolerance J= ± 5%,K= ± 10%, |
| 第10位 | 引线脚距P B=27.5mm F=37.5mm M=52.5mm | Digit 10 | Pitch B=27.5mm F=37.5mm M=52.5mm |
| 第11位 | 内部特征码 | Digit 11 | Internal use |
| 第12~15位 | 引线加工和包装代码 | Digit 12 to 15 | Lead form and packaging code |
| 第16~18位 | 内部特征码 | Digit 16 to 18 | Internal use |

■ Table 1 引线加工和包装代码 Lead form and packaging code

| 第 12 位 Digit 12 | | 第 13 和第 14 位 Digit 13 and Digit 14 | | 第 15 位 Digit 15 | |
|-----------------|--|------------------------------------|---|-----------------|---|
| 代码 Code | 说明 explanation | 代码 Code | 说明 explanation | 代码 Code | 说明 explanation |
| 0 | 2 引线散装 Two pins(bulk) | 55 | 引线长度 5.5mm lead length 5.5mm | 0 | 引线长度偏差 ±1.0mm 或标准长度 Length tolerance ± 1.0mm Or standard length |
| 1 | 4 引线散装 four pins(bulk) P1=10.0mm | 38 | 标准引线长度 5.5mm standard lead length 5.5mm 引线长度 3.8mm lead length 3.8mm | 0 | 引线长度偏差 ±1.0mm Length tolerance ± 1.0mm |
| 2 | 4 引线散装 four pins(bulk) P1=12.7mm | | | 2 | 引线长度偏差 ±0.5mm Length tolerance ± 0.5mm |
| 3 | 4 引线散装 four pins(bulk) P1=20.0mm | | | | |
| B | 4 引线散装 four pins(bulk) P1=10.2mm | | | | |
| A | 4 引线散装 four pins(bulk) P1=20.3mm | | | | |

■ 技术参数 Technical data (mm)

| $U_{rms} = 180Vac, U_N = 250Vac, U_{NDC} = 300Vdc$ | | | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|-----------------|------|-----------------|---------------|--------------------------------|------------------|--------------------|---|--------------------|
| C_N (μF) | W ± 1.0 | H ± 1.0 | T ± 1.0 | P ± 1.0 | P1 ± 0.5 | Pins | d ± 0.05 | L_s (nH) | ESR @10kHz (m Ω) | \hat{I} (A) | \hat{I}_s (A) | I_{max} @70 $^{\circ}C$, 10kHz (A) | Part number |
| 4.0 | 32.0 | 22.0 | 13.0 | 27.5 | ---- | 2 | 1.0 | 16 | 6.7 | 280 | 840 | 7 | C6AL4405-B00***+++ |
| 5.0 | 32.0 | 28.0 | 14.0 | 27.5 | ---- | 2 | 1.0 | 18 | 5.3 | 350 | 1 050 | 8 | C6AL4505-B00***+++ |
| 6.8 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 21 | 3.9 | 476 | 1 428 | 11 | C6AL4685-B00***+++ |
| 10 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 20 | 2.7 | 700 | 2 100 | 13 | C6AL4106-B00***+++ |
| ★ 10 | 41.0 | 32.0 | 17.0 | 37.5 | ---- | 2 | 1.2 | 22 | 4.9 | 400 | 1 200 | 10 | C6AL4106-F00***+++ |
| 15 | 41.0 | 37.0 | 22.0 | 37.5 | ---- | 2 | 1.2 | 24 | 3.3 | 600 | 1 800 | 14 | C6AL4156-F00***+++ |
| ★ 18 | 42.0 | 36.0 | 23.0 | 37.5 | ---- | 2 | 1.2 | 25 | 2.7 | 720 | 2 160 | 14 | C6AL4186-F00***+++ |
| ★ 20 | 42.0 | 36.0 | 23.0 | 37.5 | ---- | 2 | 1.2 | 25 | 2.5 | 800 | 2 400 | 14 | C6AL4206-F00***+++ |
| 22 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.2 | 26 | 2.2 | 880 | 2 640 | 14 | C6AL4226-F00***+++ |
| 25 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.2 | 27 | 2.0 | 1 000 | 3 000 | 14 | C6AL4256-F00***+++ |
| ★ 30 | 42.0 | 45.0 | 30.0 | 37.5 | ---- | 2 | 1.2 | 28 | 1.6 | 1 200 | 3 600 | 14 | C6AL4306-F00***+++ |
| ★ 33 | 42.0 | 45.0 | 30.0 | 37.5 | ---- | 2 | 1.2 | 29 | 1.5 | 1 320 | 3 960 | 14 | C6AL4336-F00***+++ |
| 40 | 57.0 | 43.5 | 29.5 | 52.5 | 20.3 | 4 | 1.2 | 26 | 2.6 | 800 | 2 400 | 20 | C6AL4406-M0A***+++ |
| 50 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 28 | 2.1 | 1 000 | 3 000 | 24 | C6AL4506-M0A***+++ |
| 60 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 29 | 1.7 | 1 200 | 3 600 | 27 | C6AL4606-M0A***+++ |

| $U_{rms} = 250Vac, U_N = 350Vac, U_{NDC} = 475Vdc$ | | | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|-----------------|------|-----------------|---------------|--------------------------------|------------------|--------------------|---|--------------------|
| C_N (μF) | W ± 1.0 | H ± 1.0 | T ± 1.0 | P ± 1.0 | P1 ± 0.5 | Pins | d ± 0.05 | L_s (nH) | ESR @10kHz (m Ω) | \hat{I} (A) | \hat{I}_s (A) | I_{max} @70 $^{\circ}C$, 10kHz (A) | Part number |
| 1.0 | 32.0 | 18.0 | 9.0 | 27.5 | ---- | 2 | 1.0 | 20 | 19.3 | 90 | 270 | 3 | C6AE2105-B00***+++ |
| 1.5 | 32.0 | 20.0 | 11.0 | 27.5 | ---- | 2 | 1.0 | 20 | 12.9 | 135 | 405 | 4 | C6AE2155-B00***+++ |
| 2.0 | 32.0 | 22.0 | 13.0 | 27.5 | ---- | 2 | 1.0 | 20 | 9.6 | 180 | 540 | 5 | C6AE2205-B00***+++ |
| 2.2 | 32.0 | 22.0 | 13.0 | 27.5 | ---- | 2 | 1.0 | 20 | 8.8 | 198 | 594 | 6 | C6AE2225-B00***+++ |
| 2.5 | 32.0 | 22.0 | 13.0 | 27.5 | ---- | 2 | 1.0 | 20 | 7.7 | 225 | 675 | 6 | C6AE2255-B00***+++ |
| 3.0 | 32.0 | 24.5 | 15.0 | 27.5 | ---- | 2 | 1.0 | 20 | 6.4 | 270 | 810 | 7 | C6AE2305-B00***+++ |
| 3.3 | 32.0 | 24.5 | 15.0 | 27.5 | ---- | 2 | 1.0 | 21 | 5.8 | 297 | 891 | 8 | C6AE2335-B00***+++ |
| 3.5 | 32.0 | 28.0 | 14.0 | 27.5 | ---- | 2 | 1.0 | 23 | 5.5 | 315 | 945 | 8 | C6AE2355-B00***+++ |
| 4.0 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 22 | 4.8 | 360 | 1 080 | 10 | C6AE2405-B00***+++ |
| 4.5 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 23 | 4.3 | 405 | 1 215 | 10 | C6AE2455-B00***+++ |
| 5.0 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 23 | 3.9 | 450 | 1 350 | 11 | C6AE2505-B00***+++ |
| 6.8 | 32.0 | 37.0 | 22.0 | 27.5 | ---- | 2 | 1.2 | 24 | 2.8 | 612 | 1 836 | 14 | C6AE2685-B00***+++ |
| ★ 4.7 | 41.0 | 26.0 | 15.0 | 37.5 | ---- | 2 | 1.2 | 24 | 7.8 | 282 | 846 | 7 | C6AE2475-F00***+++ |

- 备注: 1. “-”表示容量偏差。 “-”=capacitance tolerance code, J=±5%,K=±10%。
 2. “***”表示引线加工和包装代码(见上表)。“***”=lead dimensions and packing mode code (refer to table 1)。
 3. “+++”表示内部特征码。“+++”=Internal use。
 4. “ I_{max} ”为10kHz、环境70 $^{\circ}C$ 、 $\Delta \Theta_{case}=15^{\circ}C$ 的值。“ I_{max} ”@10kHz, $\Theta_{amb}=70^{\circ}C$, $\Delta \Theta_{case}=15^{\circ}C$ 。
 5. 如果P1要求20.0mm, 则第12位代码用“3”。When the P1=20.0mm, the digit 12 is “3”。
 6. “★”表示外壳为圆弧底。“★”=Arc-bottom of the outer shell.



C6A

■ 技术参数 Technical data (mm)

| U _{rms} = 250Vac, U _N = 350Vac, U _{NDC} = 475Vdc | | | | | | | | | | | | | |
|---|------------|------------|------------|------------|-------------|------|-------------|------------------------|--------------------------|-------------------------|-----------------------|---|--------------------|
| C _N (μF) | W ± 1.0 | H ± 1.0 | T ± 1.0 | P ± 1.0 | P1 ± 0.5 | Pins | d ± 0.05 | L _s (nH) | ESR @ 10kHz (mΩ) | I _{max} (A) | I _s (A) | I _{max} @70°C, 10kHz (A) | Part number |
| ★ 5.0 | 42.0 | 28.0 | 14.0 | 37.5 | ---- | 2 | 1.2 | 26 | 7.3 | 300 | 900 | 8 | C6AE2505-F00***+++ |
| ★ 6.0 | 41.0 | 32.0 | 17.0 | 37.5 | ---- | 2 | 1.2 | 26 | 6.1 | 360 | 1 080 | 9 | C6AE2605-F00***+++ |
| ★ 6.5 | 41.0 | 32.0 | 17.0 | 37.5 | ---- | 2 | 1.2 | 26 | 5.6 | 390 | 1 170 | 10 | C6AE2655-F00***+++ |
| 6.8 | 41.0 | 33.5 | 18.5 | 37.5 | ---- | 2 | 1.2 | 27 | 5.4 | 408 | 1 224 | 10 | C6AE2685-F00***+++ |
| 7.5 | 41.0 | 33.5 | 18.5 | 37.5 | ---- | 2 | 1.2 | 27 | 4.9 | 450 | 1 350 | 11 | C6AE2755-F00***+++ |
| 8.0 | 41.0 | 37.0 | 22.0 | 37.5 | ---- | 2 | 1.2 | 27 | 4.6 | 480 | 1 440 | 12 | C6AE2805-F00***+++ |
| 10 | 41.0 | 37.0 | 22.0 | 37.5 | ---- | 2 | 1.2 | 28 | 3.7 | 600 | 1 800 | 13 | C6AE2106-F00***+++ |
| 12 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.2 | 29 | 3.0 | 720 | 2 160 | 14 | C6AE2126-F00***+++ |
| 15 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.2 | 30 | 2.4 | 900 | 2 700 | 14 | C6AE2156-F00***+++ |
| ★ 18 | 41.0 | 43.0 | 28.0 | 37.5 | ---- | 2 | 1.2 | 31 | 2.0 | 1 080 | 3 240 | 14 | C6AE2186-F00***+++ |
| ★ 20 | 42.0 | 45.0 | 30.0 | 37.5 | ---- | 2 | 1.2 | 32 | 1.8 | 1 200 | 3 600 | 14 | C6AE2206-F00***+++ |
| ★ 22 | 42.0 | 45.0 | 30.0 | 37.5 | ---- | 2 | 1.2 | 33 | 1.7 | 1 320 | 3 960 | 14 | C6AE2226-F00***+++ |
| 25 | 57.0 | 43.5 | 29.5 | 52.5 | 20.3 | 4 | 1.2 | 31 | 3.3 | 750 | 2 250 | 18 | C6AE2256-M0A***+++ |
| 30 | 57.0 | 43.5 | 29.5 | 52.5 | 20.3 | 4 | 1.2 | 32 | 2.7 | 900 | 2 700 | 20 | C6AE2306-M0A***+++ |
| 35 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 32 | 2.3 | 1 050 | 3 150 | 23 | C6AE2356-M0A***+++ |
| 40 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 33 | 2.0 | 1 200 | 3 600 | 25 | C6AE2406-M0A***+++ |

| U _{rms} = 300Vac, U _N = 425Vac, U _{NDC} = 560Vdc | | | | | | | | | | | | | |
|---|------------|------------|------------|------------|-------------|------|-------------|------------------------|--------------------------|-------------------------|-----------------------|---|--------------------|
| C _N (μF) | W ± 1.0 | H ± 1.0 | T ± 1.0 | P ± 1.0 | P1 ± 0.5 | Pins | d ± 0.05 | L _s (nH) | ESR @ 10kHz (mΩ) | I _{max} (A) | I _s (A) | I _{max} @70°C, 10kHz (A) | Part number |
| 1.0 | 32.0 | 20.0 | 11.0 | 27.5 | ---- | 2 | 1.0 | 16 | 15.9 | 100 | 300 | 4 | C6AQ1105-B00***+++ |
| 1.5 | 32.0 | 22.0 | 13.0 | 27.5 | ---- | 2 | 1.0 | 17 | 10.6 | 150 | 450 | 5 | C6AQ1155-B00***+++ |
| 2.0 | 32.0 | 24.5 | 15.0 | 27.5 | ---- | 2 | 1.0 | 18 | 8.9 | 200 | 600 | 6 | C6AQ1205-B00***+++ |
| 2.2 | 32.0 | 24.5 | 15.0 | 27.5 | ---- | 2 | 1.0 | 18 | 8.0 | 220 | 660 | 7 | C6AQ1225-B00***+++ |
| 2.5 | 32.0 | 28.0 | 14.0 | 27.5 | ---- | 2 | 1.0 | 19 | 7.2 | 250 | 750 | 8 | C6AQ1255-B00***+++ |
| 3.0 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 21 | 6.4 | 300 | 900 | 9 | C6AQ1305-B00***+++ |
| 3.3 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 20 | 5.3 | 330 | 990 | 10 | C6AQ1335-B00***+++ |
| 3.5 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 21 | 4.8 | 350 | 1 050 | 10 | C6AQ1355-B00***+++ |
| 4.0 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.2 | 21 | 4.6 | 400 | 1 200 | 11 | C6AQ1405-B00***+++ |
| 4.7 | 32.0 | 37.0 | 22.0 | 27.5 | ---- | 2 | 1.2 | 22 | 4.0 | 470 | 1 410 | 13 | C6AQ1475-B00***+++ |
| 5.0 | 32.0 | 37.0 | 22.0 | 27.5 | ---- | 2 | 1.2 | 22 | 3.4 | 500 | 1 500 | 13 | C6AQ1505-B00***+++ |
| 6.8 | 32.0 | 37.0 | 22.0 | 27.5 | ---- | 2 | 1.2 | 23 | 3.2 | 680 | 2 040 | 14 | C6AQ1685-B00***+++ |
| ★ 3.0 | 41.0 | 26.0 | 15.0 | 37.5 | ---- | 2 | 1.2 | 22 | 10.1 | 210 | 630 | 6 | C6AQ1305-F00***+++ |

- 备注: 1. “-”表示容量偏差。 “-” = capacitance tolerance code, J= ± 5%, K= ± 10%。
 2. “***”表示引线加工和包装代码(见上表)。“***” = lead dimensions and packing mode code (refer to table 1)。
 3. “+++”表示内部特征码。“+++” = Internal use。
 4. “I_{max}”为10kHz、环境70°C、ΔΘ_{case}=15°C的值。“I_{max}” @10kHz, Θ_{amb}=70°C, ΔΘ_{case}=15°C。
 5. 如果P1要求20.0mm, 则第12位代码用“3”。 When the P1=20.0mm, the digit 12 is “3”。
 6. “U_{rms} = 300Vac”: 随着电源电压波动, 最大交流施加电压为300Vac。300Vac为相对额定电压240Vac、电源电压波动时的最大值, 并非连续施加电压的保证值。
 “U_{rms} = 300Vac”: As the power supply voltage fluctuation, the maximum a.c. voltage is 300Vac. And 300Vac is the maximum voltage when the power supply voltage (rated voltage is 240Vac) is in a fluctuation, instead of the guarantee of continuous voltage value.
 7. “★”表示外壳为圆弧底。“★” = Arc-bottom of the outer shell.

■ 技术参数 Technical data (mm)

| U _{rms} = 300Vac, U _N = 425Vac, U _{NDC} = 560Vdc | | | | | | | | | | | | | |
|---|------------|------------|------------|------------|-------------|------|-------------|------------------------|--------------------------|-----------|------------------------|---|--------------------|
| C _N (μF) | W ± 1.0 | H ± 1.0 | T ± 1.0 | P ± 1.0 | P1 ± 0.5 | Pins | d ± 0.05 | L _s (nH) | ESR @ 10kHz (mΩ) | Î (A) | Î _s (A) | I _{max} @70°C, 10kHz (A) | Part number |
| ★ 3.3 | 41.0 | 26.0 | 15.0 | 37.5 | ---- | 2 | 1.2 | 22 | 9.2 | 231 | 693 | 7 | C6AQ1335-F00***+++ |
| ★ 3.5 | 42.0 | 28.0 | 14.0 | 37.5 | ---- | 2 | 1.2 | 23 | 8.6 | 245 | 735 | 7 | C6AQ1355-F00***+++ |
| ★ 4.0 | 41.0 | 32.0 | 17.0 | 37.5 | ---- | 2 | 1.2 | 24 | 7.6 | 280 | 840 | 8 | C6AQ1405-F00***+++ |
| ★ 4.5 | 41.0 | 32.0 | 17.0 | 37.5 | ---- | 2 | 1.2 | 24 | 6.7 | 315 | 945 | 9 | C6AQ1455-F00***+++ |
| 4.7 | 41.0 | 32.0 | 17.0 | 37.5 | ---- | 2 | 1.2 | 24 | 6.4 | 329 | 987 | 9 | C6AQ1475-F00***+++ |
| 5.0 | 41.0 | 33.5 | 18.5 | 37.5 | ---- | 2 | 1.2 | 24 | 6.0 | 350 | 1 050 | 10 | C6AQ1505-F00***+++ |
| 6.0 | 41.0 | 33.5 | 18.5 | 37.5 | ---- | 2 | 1.2 | 25 | 5.0 | 420 | 1 260 | 11 | C6AQ1605-F00***+++ |
| 6.8 | 41.0 | 37.0 | 22.0 | 37.5 | ---- | 2 | 1.2 | 25 | 4.4 | 476 | 1 428 | 12 | C6AQ1685-F00***+++ |
| 8.0 | 41.0 | 37.0 | 22.0 | 37.5 | ---- | 2 | 1.2 | 26 | 3.8 | 560 | 1 680 | 13 | C6AQ1805-F00***+++ |
| 10 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.2 | 28 | 3.0 | 700 | 2 100 | 14 | C6AQ1106-F00***+++ |
| ★ 12 | 41.0 | 43.0 | 28.0 | 37.5 | ---- | 2 | 1.2 | 29 | 2.5 | 840 | 2 520 | 14 | C6AQ1126-F00***+++ |
| ★ 15 | 42.0 | 45.0 | 30.0 | 37.5 | ---- | 2 | 1.2 | 30 | 2.1 | 1 050 | 3 150 | 14 | C6AQ1156-F00***+++ |
| 18 | 57.0 | 43.5 | 29.5 | 52.5 | 20.3 | 4 | 1.2 | 29 | 3.8 | 720 | 2 160 | 17 | C6AQ1186-M0A***+++ |
| 20 | 57.0 | 43.5 | 29.5 | 52.5 | 20.3 | 4 | 1.2 | 29 | 3.4 | 800 | 2 400 | 18 | C6AQ1206-M0A***+++ |
| 22 | 57.0 | 43.5 | 29.5 | 52.5 | 20.3 | 4 | 1.2 | 30 | 3.1 | 880 | 2 640 | 20 | C6AQ1226-M0A***+++ |
| 25 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 31 | 2.7 | 1 000 | 3 000 | 21 | C6AQ1256-M0A***+++ |
| 28 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 32 | 2.4 | 1 120 | 3 360 | 23 | C6AQ1286-M0A***+++ |

| U _{rms} = 350Vac, U _N = 480Vac, U _{NDC} = 600Vdc | | | | | | | | | | | | | |
|---|------------|------------|------------|------------|-------------|------|-------------|------------------------|--------------------------|-----------|------------------------|---|--------------------|
| C _N (μF) | W ± 1.0 | H ± 1.0 | T ± 1.0 | P ± 1.0 | P1 ± 0.5 | Pins | d ± 0.05 | L _s (nH) | ESR @ 10kHz (mΩ) | Î (A) | Î _s (A) | I _{max} @70°C, 10kHz (A) | Part number |
| 0.33 | 32.0 | 18.0 | 9.0 | 27.5 | ---- | 2 | 0.8 | 17 | 53.9 | 17 | 50 | 1.6 | C6AR2334-B00***+++ |
| 0.39 | 32.0 | 18.0 | 9.0 | 27.5 | ---- | 2 | 0.8 | 17 | 46.0 | 20 | 60 | 1.7 | C6AR2394-B00***+++ |
| 0.47 | 32.0 | 18.0 | 9.0 | 27.5 | ---- | 2 | 0.8 | 17 | 38.6 | 24 | 72 | 1.9 | C6AR2474-B00***+++ |
| 0.68 | 32.0 | 20.0 | 11.0 | 27.5 | ---- | 2 | 0.8 | 18 | 27.5 | 35 | 104 | 2.5 | C6AR2684-B00***+++ |
| 0.82 | 32.0 | 22.0 | 13.0 | 27.5 | ---- | 2 | 0.8 | 18 | 23.3 | 42 | 125 | 3.0 | C6AR2824-B00***+++ |
| 1.0 | 32.0 | 22.0 | 13.0 | 27.5 | ---- | 2 | 0.8 | 18 | 19.6 | 51 | 153 | 3.2 | C6AR2105-B00***+++ |
| 1.5 | 32.0 | 24.5 | 15.0 | 27.5 | ---- | 2 | 0.8 | 19 | 14.0 | 76 | 229 | 4.2 | C6AR2155-B00***+++ |
| 2.0 | 32.0 | 30.0 | 16.0 | 27.5 | ---- | 2 | 0.8 | 21 | 11.1 | 102 | 306 | 5.0 | C6AR2205-B00***+++ |
| 2.2 | 32.0 | 30.0 | 16.0 | 27.5 | ---- | 2 | 0.8 | 20 | 10.4 | 112 | 336 | 5.2 | C6AR2225-B00***+++ |
| 2.5 | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.0 | 22 | 7.0 | 127 | 382 | 6.2 | C6AR2255-B00***+++ |
| 3.0K | 32.0 | 33.0 | 18.0 | 27.5 | ---- | 2 | 1.0 | 21 | 6.1 | 145 | 435 | 6.5 | C6AR2305KB10***+++ |

- 备注: 1. “-”表示容量偏差。 “-” = capacitance tolerance code, J = ± 5%, K = ± 10%。
 2. “***”表示引线加工和包装代码(见上表)。“***” = lead dimensions and packing mode code (refer to table 1) 。
 3. “+++”表示内部特征码。“+++” = Internal use。
 4. “I_{max}”为10kHz、环境70°C、ΔΘ_{case}=15°C的值。“I_{max}” @10kHz, Θ_{amb}=70°C, ΔΘ_{case}=15°C。
 5. 如果P1要求20.0mm, 则第12位代码用“3”。 When the P1=20.0mm, the digit 12 is “3” 。
 6. “U_{rms} = 300Vac”: 随着电源电压波动, 最大交流施加电压为300Vac。300Vac为相对额定电压240Vac、电源电压波动时的最大值, 并非连续施加电压的保证值。
 “U_{rms} = 300Vac”: As the power supply voltage fluctuation, the maximum a.c. voltage is 300Vac. And 300Vac is the maximum voltage when the power supply voltage (rated voltage is 240Vac) is in a fluctuation, instead of the guarantee of continuous voltage value.
 7. “U_{rms} = 350Vac”适用于277Vac电网电压场合。“U_{rms} = 350Vac” used in 277Vac power supply voltage.
 8. “★”表示外壳为圆弧底。“★” = Arc-bottom of the outer shell.



C6A

■ 技术参数 Technical data (mm)

| U _{rms} = 350Vac, U _N = 480Vac, U _{NDC} = 600Vdc | | | | | | | | | | | | | |
|---|------------|------------|------------|------------|-------------|------|-------------|------------------------|-----------------------|-----------------------|-----------------------|---|--------------------|
| C _N (μF) | W ± 1.0 | H ± 1.0 | T ± 1.0 | P ± 1.0 | P1 ± 0.5 | Pins | d ± 0.05 | L _s (nH) | ESR @10kHz (mΩ) | I _h (A) | I _s (A) | I _{max} @70°C, 10kHz (A) | Part number |
| 3.0 | 32.0 | 37.0 | 22.0 | 27.5 | ---- | 2 | 1.0 | 24 | 5.8 | 153 | 458 | 7.4 | C6AR2305-B00***+++ |
| 3.3 | 32.0 | 37.0 | 22.0 | 27.5 | ---- | 2 | 1.0 | 24 | 5.3 | 168 | 504 | 7.7 | C6AR2335-B00***+++ |
| 3.5 | 32.0 | 37.0 | 22.0 | 27.5 | ---- | 2 | 1.0 | 23 | 5.0 | 178 | 535 | 7.9 | C6AR2355-B00***+++ |
| 4.0 | 32.0 | 37.0 | 22.0 | 27.5 | ---- | 2 | 1.0 | 23 | 4.4 | 204 | 611 | 8.2 | C6AR2405-B00***+++ |
| ★ 1.0 | 41.0 | 22.0 | 11.0 | 37.5 | ---- | 2 | 1.0 | 24 | 28.0 | 36 | 109 | 2.8 | C6AR2105-F00***+++ |
| ★ 1.5 | 41.0 | 24.0 | 13.0 | 37.5 | ---- | 2 | 1.0 | 25 | 19.3 | 55 | 164 | 3.7 | C6AR2155-F00***+++ |
| ★ 2.0 | 41.0 | 26.0 | 15.0 | 37.5 | ---- | 2 | 1.0 | 26 | 14.9 | 73 | 219 | 4.6 | C6AR2205-F00***+++ |
| ★ 2.2 | 41.0 | 26.0 | 15.0 | 37.5 | ---- | 2 | 1.0 | 25 | 13.7 | 80 | 241 | 4.8 | C6AR2225-F00***+++ |
| 2.5 | 41.0 | 30.0 | 16.0 | 37.5 | ---- | 2 | 1.0 | 27 | 12.3 | 91 | 274 | 5.3 | C6AR2255-F00***+++ |
| 3.0 | 41.0 | 30.0 | 16.0 | 37.5 | ---- | 2 | 1.0 | 26 | 10.5 | 109 | 328 | 5.7 | C6AR2305-F00***+++ |
| ★ 3.3 | 41.0 | 32.0 | 17.0 | 37.5 | ---- | 2 | 1.0 | 29 | 9.7 | 120 | 361 | 6.2 | C6AR2335-F00***+++ |
| ★ 3.5 | 41.0 | 32.0 | 17.0 | 37.5 | ---- | 2 | 1.0 | 28 | 9.3 | 128 | 383 | 6.4 | C6AR2355-F00***+++ |
| 4.0 | 41.0 | 33.5 | 18.5 | 37.5 | ---- | 2 | 1.0 | 29 | 8.3 | 146 | 438 | 7.0 | C6AR2405-F00***+++ |
| 4.5 | 41.0 | 37.0 | 22.0 | 37.5 | ---- | 2 | 1.0 | 31 | 7.6 | 164 | 493 | 8.0 | C6AR2455-F00***+++ |
| 5.0 | 41.0 | 37.0 | 22.0 | 37.5 | ---- | 2 | 1.0 | 30 | 7.0 | 182 | 547 | 8.3 | C6AR2505-F00***+++ |
| 5.5 | 41.0 | 37.0 | 22.0 | 37.5 | ---- | 2 | 1.0 | 29 | 6.6 | 201 | 602 | 8.6 | C6AR2555-F00***+++ |
| 6.0 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.0 | 32 | 6.2 | 219 | 657 | 9.7 | C6AR2605-F00***+++ |
| 6.5 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.0 | 31 | 5.8 | 237 | 712 | 10.0 | C6AR2655-F00***+++ |
| 7.0 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.0 | 31 | 5.5 | 255 | 766 | 10.3 | C6AR2705-F00***+++ |
| 7.5 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.0 | 30 | 5.3 | 274 | 821 | 10.5 | C6AR2755-F00***+++ |
| 8.0 | 41.0 | 41.0 | 26.0 | 37.5 | ---- | 2 | 1.0 | 30 | 5.1 | 292 | 876 | 10.5 | C6AR2805-F00***+++ |
| ★ 8.5 | 41.0 | 43.0 | 28.0 | 37.5 | ---- | 2 | 1.0 | 32 | 4.9 | 310 | 930 | 10.5 | C6AR2855-F00***+++ |
| ★ 9.0 | 41.0 | 43.0 | 28.0 | 37.5 | ---- | 2 | 1.0 | 31 | 4.7 | 328 | 985 | 10.5 | C6AR2905-F00***+++ |
| ★ 9.5 | 42.0 | 45.0 | 30.0 | 37.5 | ---- | 2 | 1.0 | 33 | 4.5 | 347 | 1040 | 10.5 | C6AR2955-F00***+++ |
| ★ 10.0 | 42.0 | 45.0 | 30.0 | 37.5 | ---- | 2 | 1.0 | 32 | 4.4 | 365 | 1095 | 10.5 | C6AR2106-F00***+++ |

- 备注: 1. “-”表示容量偏差。 “-” = capacitance tolerance code, J= ± 5%, K= ± 10%。
 2. “***”表示引线加工和包装代码(见上表)。“***” = lead dimensions and packing mode code (refer to table 1)。
 3. “+++”表示内部特征码。“+++” = Internal use。
 4. “I_{max}”为10kHz、环境70°C、ΔΘ_{case}=15°C的值。“I_{max}” @10kHz, Θ_{amb}=70°C, ΔΘ_{case}=15°C。
 5. “U_{rms} = 350Vac”适用于277Vac电网电压场合。“U_{rms} = 350Vac” used in 277Vac power supply voltage。
 6. “★”表示外壳为圆弧底。“★” = Arc-bottom of the outer shell.

■ 技术参数 Technical data (mm)

| U _{rms} = 350Vac, U _N =480Vac, U _{NDC} =600Vdc | | | | | | | | | | | | | |
|---|------------|------------|------------|------------|-------------|------|-------------|------------------------|-----------------------|-----------------------|-----------------------|---|--------------------|
| C _N (μF) | W ± 1.0 | H ± 1.0 | T ± 1.0 | P ± 1.0 | P1 ± 0.5 | Pins | d ± 0.05 | L _s (nH) | ESR @10kHz (mΩ) | I _h (A) | I _s (A) | I _{max} @70°C, 10kHz (A) | Part number |
| ★ 10.0 | 57.0 | 45.0 | 25.0 | 52.5 | ---- | 2 | 1.2 | 34 | 5.7 | 260 | 781 | 11.6 | C6AR2106-M00***+++ |
| ★ 11.0 | 57.0 | 45.0 | 25.0 | 52.5 | ---- | 2 | 1.2 | 33 | 5.3 | 286 | 859 | 11.9 | C6AR2116-M00***+++ |
| 12.0 | 57.0 | 43.5 | 29.5 | 52.5 | 20.3 | 4 | 1.2 | 29 | 4.4 | 312 | 937 | 14.1 | C6AR2126-M1A***+++ |
| 15.0 | 57.0 | 45.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 31 | 3.7 | 391 | 1172 | 16.4 | C6AR2156-M0A***+++ |
| 16.0 | 57.0 | 45.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 30 | 3.5 | 417 | 1250 | 16.8 | C6AR2166-M0A***+++ |
| 18.0 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 4 | 1.2 | 33 | 3.2 | 469 | 1406 | 18.1 | C6AR2186-M0A***+++ |
| ★ 20.0 | 57.0 | 50.0 | 40.0 | 52.5 | 20.3 | 4 | 1.2 | 32 | 2.9 | 521 | 1562 | 19.8 | C6AR2206-M0A***+++ |

- 备注: 1. “-”表示容量偏差。 “-” =capacitance tolerance code, J= ± 5%,K= ± 10%。
 2. “***”表示引线加工和包装代码(见上表)。“***” =lead dimensions and packing mode code (refer to table 1)。
 3. “+++”表示内部特征码。“+++” = Internal use。
 4. “I_{max}”为10kHz、环境70°C、ΔΘ_{case}=15°C的值。“I_{max}” @10kHz, Θ_{amb}=70°C, ΔΘ_{case}=15°C。
 5. 如果P1要求20.0mm, 则第12位代码用“3”; When the P1=20.0mm, the digit 12 is “3”。
 6. “U_{rms} = 350Vac”适用于277Vac电网电压场合。“U_{rms} = 350Vac” used in 277Vac power supply voltage。
 7. “★”表示外壳为圆弧底。“★” = Arc-bottom of the outer shell.

■ 使用注意事项 Caution and warnings

- 使用时不得超过产品允许的最高温度
When using the products shall not exceed the maximum allowed temperature
- 不能大力拉扯引出线
Do not apply any mechanical stress to the capacitor terminals
- 电容器焊接至PCB板时应注意控制焊接温度以及焊接时间
Do not exceed the specified time or temperature limits during soldering.

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