

HCBB61S



金属化聚丙烯膜交流电动机电容器(安全等级S3,塑料外壳)



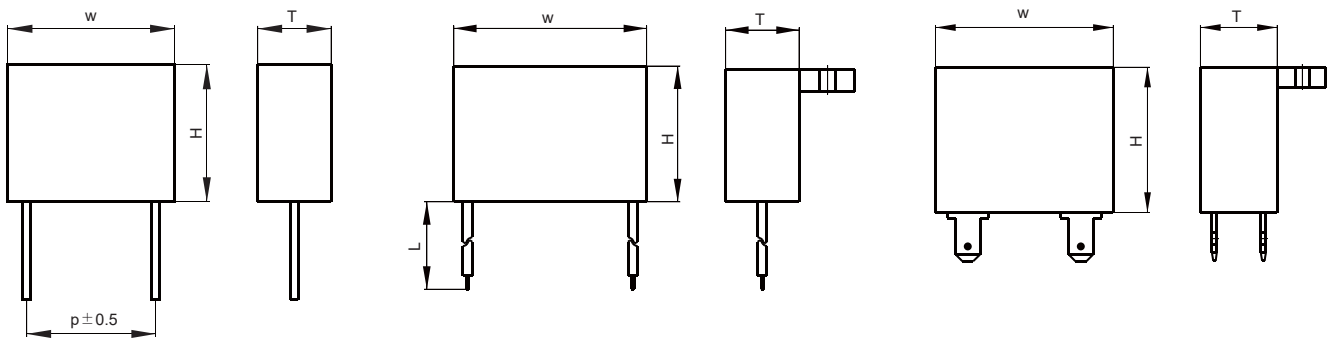
特点

- 适用于频率为50/60Hz交流电源供电的单相电动机启动和运转
- 阻燃塑壳, 环氧树脂灌封
- 有自愈特性
- 性能稳定, 可靠性高

安全认证

| | | | |
|---|-----|-------------|--|
|  | CQC | GB/T 3667.1 | 0.5 μ F-45 μ F, \pm 5%, 370VAC-500VAC 40/70/21, 40/85/21, B/C, S3, SH, 50/60Hz 证书号: CQC11006064628 |
|  | TUV | EN 60252-1 | 0.5 μ F-45 μ F, \pm 5% 220VAC-500VAC 40/70/21, 40/85/21, B/C, S3, SH, 50/60Hz 证书号: R 50258753 |

外形示意图



a) 镀锡引线方式

b) 引出线方式

c) 插片方式

技术要求

| | | |
|-----------------------------------|--------------------------------|------------------------------|
| 引用标准 | GB/T 3667.1(IEC60252-1) | |
| 额定电压 | 250VAC ~ 500VAC(50Hz/60Hz) | |
| 运行等级 | Class B(10000h),Class C(3000h) | |
| 电容量范围 | 0.5 μ F ~ 45 μ F | |
| 气候类别 | 40/70/21, 40/85/21 | |
| 安全防护等级 | S3 | |
| 工作温度范围 | -40°C~70°C / -40°C~85°C | |
| 电容量偏差 | \pm 5%(J) | |
| 耐电压 | 端子间 | 2U _{NAC} (60s) |
| | 极壳间 | 2000V _{a.c.} (60s). |
| 绝缘电阻(IR \times C _N) | \geq 3000s(20°C, 100V, 60s) | |
| 损耗角正切 | < 0.0020(100Hz, 20°C) | |
| 最高运行电压 | 1.1U _N | |
| 最高运行电流 | 1.3I _N | |

产品订货标记说明

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|--|-------------|---|---------------------|-------|-------------|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| H | C | B | B | 6 | 1 | S | / | | | | | | | | | | | | (| x | x | x |) |
| 电容器代码 | | | | | | | 交流额定电压代码 | 标称容量代码 | 容量偏差代码 | 引线脚距/外形尺寸 | 运行等级 | 引出端代码 | 内部特征码 | | | | | | | | | | |
| | | | | | | | S2=450V H2=500V | 举例: 224=22 \times 10 ⁴ pF =0.22 μ F | J= \pm 5% | 引线脚距(镀锡引线式) 9=22.5mm B=27.5mm D=32.5mm F=37.5mm | B-10000h C-3000h | 见表1 | 需要区分特殊要求时使用 | | | | | | | | | | |
| | | | | | | | 外形尺寸(插片或引出线式) 1=32mm 2=37mm 3=42mm 4=47mm 5=57mm 6=67mm | | | | | | | | | | | | | | | | |

表1: 引出端代码

| 第 17 位 | | 第 18 位 | | 第 19 位 | |
|--------|---------------|--------|-------------|--------|---|
| 代码 | 引出端形式 | 代码 | 安装形式 | 代码 | 引出端长度及偏差 |
| 1 | AMP250#插片每边一个 | 0 | PCB | 0 | 标准的镀锡引线长度5.0mm±0.5mm或标准的引出线长度140mm±10mm或插片式 |
| 2 | AMP250#插片每边两个 | 1 | 无耳(插片或引出线) | L | 客户指定线长及公差 |
| 4 | AMP187#插片每边一个 | 2 | 底中耳(插片或引出线) | | |
| 5 | AMP187#插片每边两个 | | | | |
| 6 | 引出线 | | | | |
| 7 | 镀锡引线 | | | | |

产品尺寸

| 450VAC (Class B) 镀锡线 | | | | | | | | | | | | |
|-------------------------|---------|---------|---------|---------|---------------------|------------------------|---------|---------|---------|---------|--------------------|--|
| C _N (μF) | W mm | H mm | T mm | P mm | 产品代码 | C _N (μF) | W mm | H mm | T mm | P mm | 产品代码 | |
| 0.5 | 32 | 20 | 11 | 27.5 | HCBB61S/S2504JBB70* | 2.0 | 36 | 27 | 17 | 32.5 | HCBB61S/S2205JDB7* | |
| 1.0 | 32 | 23 | 13 | 27.5 | HCBB61S/S2105JBB70* | 2.2 | 36 | 29 | 17 | 32.5 | HCBB61S/S2225JDB7* | |
| 1.2 | 32 | 24 | 14 | 27.5 | HCBB61S/S2125JBB70* | 2.5 | 36 | 30.5 | 19 | 32.5 | HCBB61S/S2255JDB7* | |
| 1.5 | 32 | 26 | 16 | 27.5 | HCBB61S/S2155JBB70* | 2.8 | 36 | 30.5 | 19 | 32.5 | HCBB61S/S2285JDB7* | |
| 1.6 | 32 | 26 | 16 | 27.5 | HCBB61S/S2165JBB70* | 3.0 | 36 | 30 | 20 | 32.5 | HCBB61S/S2305JDB7* | |
| 1.8 | 32 | 27 | 17 | 27.5 | HCBB61S/S2185JBB70* | 3.5 | 36 | 33 | 21 | 32.5 | HCBB61S/S2355JDB* | |
| 2.0 | 32 | 28 | 18 | 27.5 | HCBB61S/S2205JBB70* | 4.0 | 36 | 34 | 22 | 32.5 | HCBB61S/S2405JDB7* | |
| 2.2 | 32 | 29 | 19 | 27.5 | HCBB61S/S2225JBB70* | 4.5 | 36 | 36 | 24 | 32.5 | HCBB61S/S2455JDB* | |
| 2.5 | 32 | 30 | 20 | 27.5 | HCBB61S/S2255JBB70* | 5.0 | 36 | 37 | 25 | 32.5 | HCBB61S/S2505JDB7* | |
| 2.8 | 32 | 31 | 21 | 27.5 | HCBB61S/S2285JBB70* | 5.5 | 36 | 38 | 26 | 32.5 | HCBB61S/S2555JDB7* | |
| 3.0 | 32 | 32 | 22 | 27.5 | HCBB61S/S2305JBB70* | 6.0 | 36 | 39 | 27 | 32.5 | HCBB61S/S2605JDB7* | |
| 3.5 | 32 | 34 | 24 | 27.5 | HCBB61S/S2355JBB70* | 6.3 | 36 | 40 | 28 | 32.5 | HCBB61S/S2635JDB7* | |
| 4.0 | 32 | 35 | 25 | 27.5 | HCBB61S/S2405JBB70* | 6.5 | 36 | 40 | 28 | 32.5 | HCBB61S/S2655JDB7* | |
| 1.0 | 36 | 23 | 13 | 32.5 | HCBB61S/S2105JDB70* | 7.0 | 36 | 42 | 28 | 32.5 | HCBB61S/S2705JDB7* | |
| 1.2 | 36 | 23.5 | 13.5 | 32.5 | HCBB61S/S2125JDB70* | 7.5 | 36 | 42 | 30 | 32.5 | HCBB61S/S2755JDB7* | |
| 1.5 | 36 | 25 | 15 | 32.5 | HCBB61S/S2155JDB70* | 8.0 | 36 | 44 | 30 | 32.5 | HCBB61S/S2805JDB7* | |
| 1.6 | 36 | 25 | 15 | 32.5 | HCBB61S/S2165JDB70* | 8.5 | 36 | 44 | 32 | 32.5 | HCBB61S/S2855JDB7* | |
| 1.8 | 36 | 26 | 16 | 32.5 | HCBB61S/S2185JDB70* | | | | | | | |

备注: 1) 订货标记中“70*”表示镀锡引线方式时, 引出端长度及偏差, 选择“0”表示选择标准引线长度, 选择“L”表示客户指定线长及公差(见表1), 请下单时联络我们。

产品尺寸

| 450VAC (Class B) 插片或引出线 | | | | | | | | | |
|----------------------------|---------|---------|---------|---------------------|------------------------|---------|---------|---------|---------------------|
| C _N (μF) | W mm | H mm | T mm | 产品代码 | C _N (μF) | W mm | H mm | T mm | 产品代码 |
| 0.5 | 32 | 20 | 11 | HCBB61S/S2504J1B*** | 6.0 | 47 | 36 | 23 | HCBB61S/S2605J4B*** |
| 1.0 | 37 | 22 | 12 | HCBB61S/S2105J2B*** | 6.5 | 47 | 38 | 26 | HCBB61S/S2655J4B*** |
| 1.5 | 37 | 25 | 15 | HCBB61S/S2155J2B*** | 7.0 | 47 | 38 | 26 | HCBB61S/S2705J4B*** |
| 2.0 | 37 | 28 | 15 | HCBB61S/S2205J2B*** | 7.5 | 47 | 38 | 26 | HCBB61S/S2755J4B*** |
| 2.5 | 37 | 30 | 20 | HCBB61S/S2255J2B*** | 8.0 | 47 | 40 | 26 | HCBB61S/S2805J4B*** |
| 3.0 | 37 | 32 | 21 | HCBB61S/S2305J2B*** | 8.5 | 47 | 45 | 25 | HCBB61S/S2855J4B*** |
| 3.5 | 37 | 32 | 21 | HCBB61S/S2355J2B*** | 9.0 | 47 | 45 | 25 | HCBB61S/S2905J4B*** |
| 2.0 | 47 | 26 | 14 | HCBB61S/S2205J4B*** | 10.0 | 47 | 45 | 25 | HCBB61S/S2106J4B*** |
| 2.5 | 47 | 27 | 17 | HCBB61S/S2255J4B*** | 11.0 | 57 | 45 | 25 | HCBB61S/S2116J5B*** |
| 3.0 | 47 | 27 | 17 | HCBB61S/S2305J4B*** | 12.0 | 57 | 45 | 27 | HCBB61S/S2126J5B*** |
| 3.5 | 47 | 32 | 17 | HCBB61S/S2355J4B*** | 15.0 | 67 | 45 | 30 | HCBB61S/S2156J6B*** |
| 4.0 | 47 | 32 | 20 | HCBB61S/S2405J4B*** | 18.0 | 67 | 45 | 30 | HCBB61S/S2186J6B*** |
| 4.5 | 47 | 32 | 21 | HCBB61S/S2455J4B*** | 20.0 | 67 | 54 | 34 | HCBB61S/S2206J6B*** |
| 5.0 | 47 | 35 | 22 | HCBB61S/S2505J4B*** | 25.0 | 67 | 54 | 34 | HCBB61S/S2256J6B*** |
| 5.5 | 47 | 36 | 23 | HCBB61S/S2555J4B*** | | | | | |

| 500VAC (Class B) 插片或引出线 | | | | | | | | | |
|----------------------------|---------|---------|---------|---------------------|------------------------|---------|---------|---------|---------------------|
| C _N (μF) | W mm | H mm | T mm | 产品代码 | C _N (μF) | W mm | H mm | T mm | 产品代码 |
| 0.5 | 32 | 23 | 13 | HCBB61S/H2504J1B*** | 4.0 | 47 | 36 | 23 | HCBB61S/H2405J4B*** |
| 1.0 | 32 | 26 | 16 | HCBB61S/H2105J1B*** | 4.5 | 47 | 36 | 23 | HCBB61S/H2455J4B*** |
| 1.2 | 32 | 27 | 17 | HCBB61S/H2125J1B*** | 5.0 | 47 | 38 | 26 | HCBB61S/H2505J4B*** |
| 1.5 | 32 | 30 | 20 | HCBB61S/H2155J1B*** | 5.5 | 47 | 38 | 26 | HCBB61S/H2555J4B*** |
| 1.8 | 32 | 30 | 20 | HCBB61S/H2185J1B*** | 6.0 | 47 | 45 | 25 | HCBB61S/H2605J4B*** |
| 2.0 | 32 | 32 | 22 | HCBB61S/H2205J1B*** | 6.5 | 47 | 45 | 25 | HCBB61S/H2655J4B*** |
| 2.5 | 32 | 35 | 25 | HCBB61S/H2255J1B*** | 7.0 | 47 | 45 | 25 | HCBB61S/H2705J4B*** |
| 1.0 | 37 | 24 | 14 | HCBB61S/H2105J2B*** | 7.5 | 47 | 45 | 30 | HCBB61S/H2755J4B*** |
| 1.2 | 37 | 25 | 15 | HCBB61S/H2125J2B*** | 8.0 | 47 | 45 | 30 | HCBB61S/H2805J4B*** |
| 1.5 | 37 | 28 | 18 | HCBB61S/H2155J2B*** | 8.5 | 47 | 45 | 30 | HCBB61S/H2855J4B*** |
| 1.8 | 37 | 28 | 18 | HCBB61S/H2185J2B*** | 9.0 | 57 | 45 | 27 | HCBB61S/H2905J5B*** |
| 2.0 | 37 | 30 | 20 | HCBB61S/H2205J2B*** | 10.0 | 67 | 45 | 30 | HCBB61S/H2106J6B*** |
| 2.5 | 37 | 32 | 21 | HCBB61S/H2255J2B*** | 12.0 | 67 | 45 | 30 | HCBB61S/H2126J6B*** |
| 2.0 | 47 | 27 | 17 | HCBB61S/H2205J4B*** | 15.0 | 67 | 54 | 34 | HCBB61S/H2156J6B*** |
| 2.5 | 47 | 30 | 20 | HCBB61S/H2255J4B*** | 16.0 | 67 | 54 | 34 | HCBB61S/H2166J6B*** |
| 3.0 | 47 | 30 | 20 | HCBB61S/H2305J4B*** | 18.0 | 67 | 54 | 34 | HCBB61S/H2186J6B*** |
| 3.5 | 47 | 35 | 22 | HCBB61S/H2355J4B*** | | | | | |

备注: 1) 订货标记中“***”表示插片或引出线方式时的引出端代码, 我们可以提供多种安装方式, 请根据表1选择并联络我们具体的安装要求。