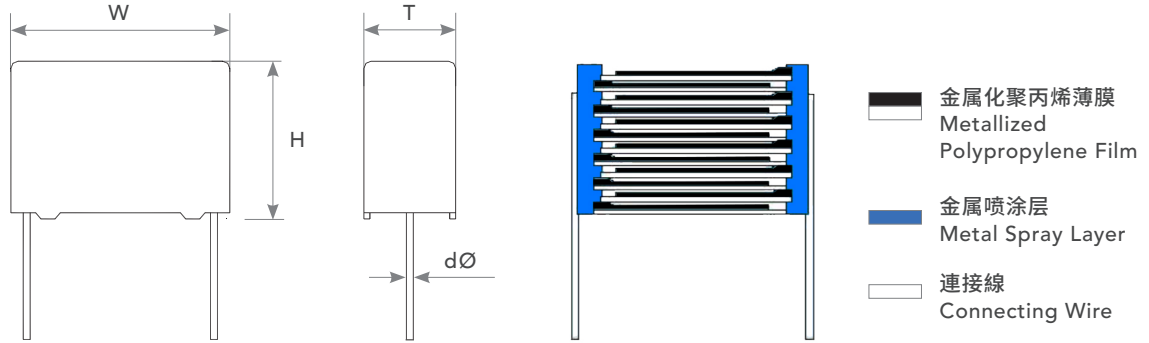


【干扰抑制电容器】X2 电容 (MKP-THB) THB-1000H-305VAC 小型化

INTERFERENCE SUPPRESSION CAPACITOR / X2 CAPACITOR (MKP-THB) THB-1000H-305VAC (SMALL SIZE)

**MKP-X2
THB**

THB-版-防潮 (THB-Version-Temperature Humidity Bias)



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
Winding: non-inductive type
- 导线: 镀锡线
Leads: Tinned wire
- 外层: 阻燃塑胶外壳, 环氧树脂填充
Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 在高环境温度和湿度等恶劣环境条件下具有优异的长期稳定性
Excellent long term-stability under tough environmental conditions – such as high ambient temperatures and high humidity
- 良好的自愈性
Self-healing properties
- 符合UL、CUL、ENEC、CQC安规电容
In accordance with UL, CUL, ENEC, CQC safety regulations
- X2类
Class X2
- 小尺寸
Small Size

推荐应用 Recommended Application:

对长期稳定性要求很高的所有应用, 如:

All applications with high demand on excellent long term-stability, such as:

- 功率表
Power Meters
- 电容式电源应用
Capacitive Power Supply applications
- 户外应用
Outdoor applications
- 恶劣环境条件下
For severe ambient conditions
- 用于与电源串联
For connection in series with the mains
- 跨线
Across the line
- EMI滤波器
EMI filter

电气特性 Electrical Characteristics:





| | |
|-----------------------------|--|
| 引用标准 Related Documents | UL 60384-14:2014, CAN/CSA-E60384-14:2014, IEC60384-14:2013, EN60384-14:2013, GB/T 6346.14-2015 |
| 额定电压 Rated Voltage | 250 ~ 310 VAC |
| 额定温度 Rated Temperature | -40°C ~ +110°C |
| 容量范围 Capacitance Range | 0.027μF ~ 10μF |
| 损耗角正切 Dissipation Factor | 0.1% or less. at 1Khz, 20±5°C |

| | | | | | |
|--|---|-------|--|---------|---------|
| 绝缘电阻 Insulation Resistance | Terminal to Terminal: ≥ 15000MΩ at DC 100V (C ≤ 0.33μF) ≥ 5000MΩ × μF at DC 100V (C > 0.33μF) | | Terminal to Enclosure: ≥ 30000MΩ at DC 100V ≥ 500MΩ at DC 500V | | |
| 耐压 Withstand Voltage | [Between terminal] : Nothing abnormal shall be found, when a voltage specified below is applied 2200VDC for 3 sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute. | | | | |
| 额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs) | Pitch V _R | 15 mm | 22.5 mm | 27.5 mm | 37.5 mm |
| | 630VDC | 300 | 180 | 120 | 100 |
| 气候类别 Climate Category | 代碼字母G和數位元40 = 最低极限温度.... -40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... -40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability. | | | | |

信赖性测试 Reliability Test:

| 测试方法 Test Method | 要求 Requirements |
|--|--|
| 温度 Temperature: 85°C 相对湿度 Relative humidity: 85% 施加电压 Voltage applied: 240VAC 周期 Duration: 1000 hours | 容量变化 Capacitance change ΔC/C : ≤ 10% Δtan δ ≤ 2.4% at 10KHz, C ≤ 1uF Δtan δ ≤ 1.5% at 1KHz, C > 1uF 绝缘阻抗 Insulation Resistance: ≥ 50% of spec value |

安全认证 Safety Approvals:

| LOGO MARK | COUNTRY | APPROVAL STANDARD | APPROVAL NO. | CLASS | CAP. RANGE | RATED VOLTAGE |
|--|---------|---|------------------|-------|-------------------|---------------|
| UL  | U.S.A | UL 60384-14:2014 CAN/CSA E60384-1/14:2014 | 20181116-E149075 | X2 | 0.0047μF ~ 10.0μF | 310VAC |
| CSA  | CANADA | CAN/CSA E60384-1/14:09 | 2294211 | X2 | 0.0047μF ~ 10.0μF | 310VAC |
| CB TEST | EUROPE | IEC60384-14:2013 | SE-93931 | X2 | 0.0047μF ~ 10.0μF | 310VAC |
| ENEC  | EUROPE | EN60384-14:2013 | SE/0252-5E | X2 | 0.0047μF ~ 10.0μF | 310VAC |
| CQC  | CHINA | GB/T 6346.14-2015 | CQC09001029854 | X2 | 0.0047μF ~ 10.0μF | 310VAC |

Cap. (μF) | 标准单位 (Size unit): mm

| R.V. | 305 VAC | | | | | |
|---------------------|-----------|-----------|-----------|------|-------------|----------------------|
| Size Cap (μF) | W ±0.3 | H ±0.3 | T ±0.3 | P | dØ ±0.05 | 料号 Part Number |
| 0.027 | 13 | 11 | 5 | 10 | 0.6 | MKP-273*0305AB*10*US |
| 0.033 | 13 | 11 | 5 | 10 | 0.6 | MKP-333*0305AB*10*US |
| 0.039 | 13 | 11 | 5 | 10 | 0.6 | MKP-393*0305AB*10*US |
| 0.047 | 13 | 12 | 6 | 10 | 0.6 | MKP-473*0305AB*10*US |
| 0.056 | 13 | 12 | 6 | 10 | 0.6 | MKP-563*0305AB*10*US |
| 0.068 | 13 | 13 | 7 | 10 | 0.6 | MKP-683*0305AB*10*US |
| 0.082 | 13 | 13 | 7 | 10 | 0.6 | MKP-823*0305AB*10*US |
| 0.1 | 13 | 14 | 8 | 10 | 0.6 | MKP-104*0305AB*10*US |
| 0.047 | 18 | 12 | 6 | 15 | 0.8 | MKP-473*0305AB*15*US |
| 0.068 | 18 | 12 | 6 | 15 | 0.8 | MKP-683*0305AB*15*US |
| 0.1 | 18 | 12 | 6 | 15 | 0.8 | MKP-104*0305AB*15*US |
| 0.15 | 18 | 12 | 6 | 15 | 0.8 | MKP-154*0305AB*15*US |
| 0.22 | 18 | 13.5 | 7.5 | 15 | 0.8 | MKP-224*0305AB*15*US |
| 0.33 | 18 | 15 | 9 | 15 | 0.8 | MKP-334*0305AB*15*US |
| 0.47 | 18 | 18 | 9 | 15 | 0.8 | MKP-474*0305AB*15*US |
| 0.56 | 18 | 19 | 11 | 15 | 0.8 | MKP-564*0305AB*15*US |
| 0.68(M) | 18 | 19 | 11 | 15 | 0.8 | MKP-684*0305AB*15*US |
| 0.68 | 18 | 19 | 12.5 | 15 | 0.8 | MKP-684*0305AB*15*US |
| 0.33 | 26 | 14.5 | 7 | 22.5 | 0.8 | MKP-334*0305AB*22*US |
| 0.47 | 26 | 16.5 | 7.5 | 22.5 | 0.8 | MKP-474*0305AB*22*US |
| 0.56 | 26 | 18.5 | 8.5 | 22.5 | 0.8 | MKP-564*0305AB*22*US |
| 0.68 | 26 | 18.5 | 8.5 | 22.5 | 0.8 | MKP-684*0305AB*22*US |

| R.V. | 305 VAC | | | | | |
|---------------------|-----------|-----------|-----------|------|-------------|----------------------|
| Size Cap (μF) | W ±0.3 | H ±0.3 | T ±0.3 | P | dØ ±0.05 | 料号 Part Number |
| 0.82 | 26 | 19 | 10 | 22.5 | 0.8 | MKP-824*0305AB*22*US |
| 1.0 | 26 | 20 | 11.5 | 22.5 | 0.8 | MKP-105*0305AB*22*US |
| 1.5 | 26 | 24 | 14 | 22.5 | 0.8 | MKP-155*0305AB*22*US |
| 2.2(M) | 26 | 25 | 15 | 22.5 | 0.8 | MKP-225*0305AB*22*US |
| 0.68 | 31 | 18 | 9 | 27.5 | 0.8 | MKP-684*0305AB*27*US |
| 0.82 | 31 | 18 | 9 | 27.5 | 0.8 | MKP-824*0305AB*27*US |
| 1.0 | 31 | 20 | 10 | 27.5 | 0.8 | MKP-105*0305AB*27*US |
| 1.5 | 31 | 20.5 | 12 | 27.5 | 0.8 | MKP-155*0305AB*27*US |
| 2.2 | 31 | 24.5 | 15 | 27.5 | 0.8 | MKP-225*0305AB*27*US |
| 3.3 | 31 | 28 | 18 | 27.5 | 0.8 | MKP-335*0305AB*27*US |
| 3.3 | 31 | 33 | 18 | 27.5 | 0.8 | MKP-335*0305AB*27*US |
| 4.7 | 31 | 37 | 22 | 27.5 | 0.8 | MKP-475*0305AB*27*US |
| 3.3 | 41.5 | 27.5 | 16 | 37.5 | 1.0 | MKP-335*0305AB*37*US |
| 4.7 | 41.5 | 31.5 | 18.5 | 37.5 | 1.0 | MKP-475*0305AB*37*US |
| 5.6(M) | 41.5 | 35 | 19 | 37.5 | 1.0 | MKP-565*0305AB*37*US |
| 5.6 | 41.5 | 34 | 20.5 | 37.5 | 1.0 | MKP-565*0305AB*37*US |
| 6.8(M) | 41.5 | 35.5 | 22.5 | 37.5 | 1.0 | MKP-685*0305AB*37*US |
| 6.8 | 42 | 40 | 20 | 37.5 | 1.0 | MKP-685*0305AB*37*US |
| 8.2 | 41.5 | 38 | 25 | 37.5 | 1.0 | MKP-825*0305AB*37*US |
| 10(M) | 41.5 | 38 | 29 | 37.5 | 1.0 | MKP-106*0305AB*37*US |
| 10 | 41.5 | 41 | 27.5 | 37.5 | 1.0 | MKP-106*0305AB*37*US |