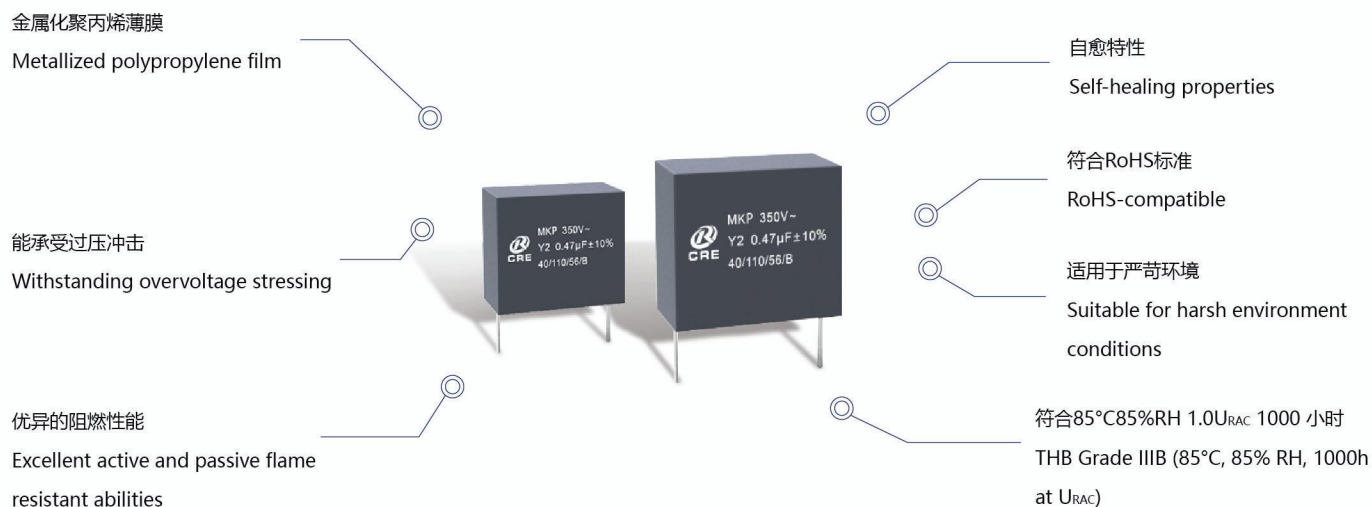


# EMI Suppression Capacitors Y2 series

## 金属化聚丙烯膜抗干扰电容器



### 应用

- Y2类抗干扰电容器
- 广泛应用于电源接地、旁路、天线耦合等抗干扰场合

### APPLICATIONS

- Y2 class for interference suppression
- Widely used in line to ground, line-by-pass, antenna coupling interference suppression circuit, etc

### 性能参数 Technical data

|  |                                  |                         |                         |
|--|----------------------------------|-------------------------|-------------------------|
| 气候类别 / 阻燃等级<br>Climatic Category / Passive Flammability Category | 40/110/56/B                      |                         |                         |
| 工作温度范围/ Operating temperature range                              | -40°C~ +110°C                    |                         |                         |
| 容量范围/ Capacitance range  | 0.001~1.2μF                      |                         |                         |
| 额定电压/ Rated voltage  | AC 350V,50~60Hz                  |                         |                         |
| 最大连续直流电压/ Maximum continuous DC voltage                          | DC 1000V                         |                         |                         |
| 容量偏差/ Cap.tol  | ±10% ; ±20%                      |                         |                         |
| 损耗角正切/ Dissipation factor  | 1×10 <sup>-3</sup> at 1kHz, 20°C |                         |                         |
| 绝缘电阻/insulation resistance                                       | V test(VDC) 1min                 | C <sub>N</sub> ≤0.33μF  | C <sub>N</sub> > 0.33μF |
|  | 100±15                           | ≥100GΩ                  | ≥30000s                 |
| 直流电压测试/ DC test voltage  | C <sub>N</sub> ≤0.33μF           | C <sub>N</sub> > 0.33μF |                         |
|  | 4000 V DC, 2 s                   | 3700 V DC, 2 s          |                         |
| 交流电压测试/ AC test voltage  | 2000 V AC, 2 s                   |                         |                         |

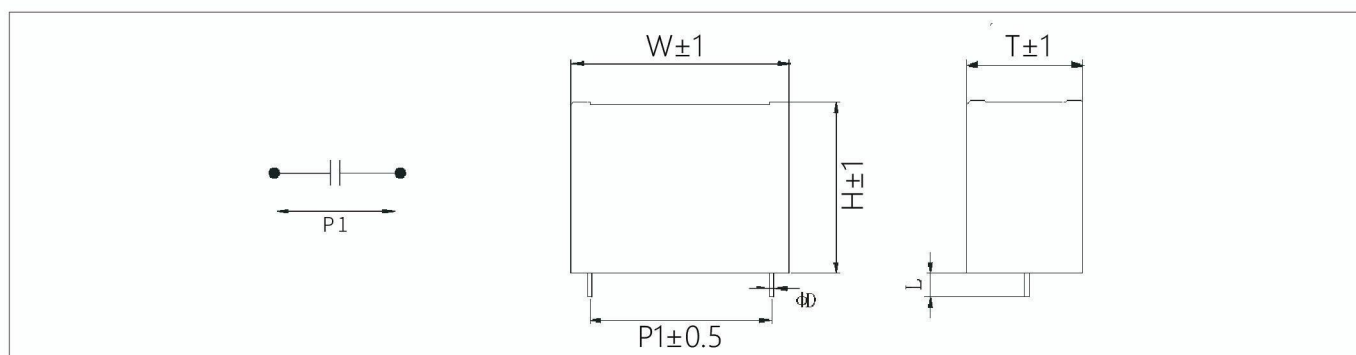


01

## DV/DT数据 THE DV/DT TABLE

| Dv/dt (V/μs) |        |          |          |          |          |
|--------------|--------|----------|----------|----------|----------|
| P=10mm       | P=15mm | P=22.5mm | P=27.5mm | P=37.5mm | P=52.5mm |
| 700          | 600    | 500      | 400      | 300      | 250      |

## 产品结构图 THE CONTOUR MAP



## 编码规则 /PART NUMBER SYSTEM

| Type code | Capacitance                            | Rated Voltage(AC) | Tolerance                 | Pin     | Lead Pitch P1 (mm)   | Lead Pitch P2 (mm) | Lead Pitch P2 (mm) | Internal code |
|-----------|--|-------------------|---------------------------|---------|--|--------------------|--------------------|---------------|
| 1~3       | 4~6                                    | 7~10              | 11                        | 12      | 13   | 14                 | 15                 | 16~17         |
| MKP       | 105 =<br>10×10 <sup>5</sup> pF<br>=1μF | 0350=350VAC       | J=±5%<br>K=±10%<br>M=±20% | 2: 2Pin | 2: P1=10<br>3: P1=15<br>4: P1=22.5<br>5: P1=27.5<br>6: P1=37.5<br>7: P1=52.5 | 0: 无               | 1: L=4<br>2: L=15  | 01            |

## 规格表 Specification table

| CN(μF) | W(mm) | T(mm) | H(mm) | φD(mm) | P1(mm) | Part number       | CN(μF) | W(mm) | T(mm) | H(mm) | φD(mm) | P1(mm) | Part number       |
|--------|-------|-------|-------|--------|--------|-------------------|--------|-------|-------|-------|--------|--------|-------------------|
| 0.0010 | 13    | 4     | 9     | 0.6    | 10     | MKP1020350*220*** | 0.0068 | 13    | 5     | 11    | 0.6    | 10     | MKP6820350*220*** |
| 0.0012 | 13    | 4     | 9     | 0.6    | 10     | MKP1220350*220*** | 0.0068 | 13    | 6     | 12    | 0.6    | 10     | MKP6820350*220*** |
| 0.0015 | 13    | 4     | 9     | 0.6    | 10     | MKP1520350*220*** | 0.0068 | 13    | 9.5   | 7.5   | 0.6    | 10     | MKP6820350*220*** |
| 0.0018 | 13    | 4     | 9     | 0.6    | 10     | MKP1820350*220*** | 0.0082 | 13    | 6     | 12    | 0.6    | 10     | MKP8220350*220*** |
| 0.0022 | 13    | 4     | 9     | 0.6    | 10     | MKP2220350*220*** | 0.010  | 13    | 6     | 12    | 0.6    | 10     | MKP1030350*220*** |
| 0.0027 | 13    | 4     | 9     | 0.6    | 10     | MKP2720350*220*** | 0.015  | 13    | 6     | 12    | 0.6    | 10     | MKP1530350*220*** |
| 0.0033 | 13    | 4     | 9     | 0.6    | 10     | MKP3320350*220*** | 0.0022 | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP2220350*230*** |
| 0.0039 | 13    | 4     | 9     | 0.6    | 10     | MKP3920350*220*** | 0.0027 | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP2720350*230*** |
| 0.0047 | 13    | 5     | 11    | 0.6    | 10     | MKP4720350*220*** | 0.0033 | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP3320350*230*** |
| 0.0047 | 13    | 6     | 12    | 0.6    | 10     | MKP4720350*220*** | 0.0039 | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP3920350*230*** |
| 0.0056 | 13    | 5     | 11    | 0.6    | 10     | MKP5620350*220*** | 0.0047 | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP4720350*230*** |





# EMI Suppression Capacitors Y2 series

## 金属化聚丙烯膜抗干扰电容器

规格表 Specification table

续上表

| CN(μF) | W(mm) | T(mm) | H(mm) | φD(mm) | P1(mm) | Part number       |
|--------|-------|-------|-------|--------|--------|-------------------|
| 0.0047 | 17.5  | 5     | 11    | 0.6    | 15     | MKP4720350*230*** |
| 0.0056 | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP5620350*230*** |
| 0.0056 | 17.5  | 5     | 11    | 0.6    | 15     | MKP5620350*230*** |
| 0.0068 | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP6820350*230*** |
| 0.0068 | 17.5  | 5     | 11    | 0.8    | 15     | MKP6820350*230*** |
| 0.0082 | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP8220350*230*** |
| 0.0082 | 17.5  | 5     | 11    | 0.8    | 15     | MKP8220350*230*** |
| 0.010  | 17.5  | 5     | 9.5   | 0.6    | 15     | MKP1030350*230*** |
| 0.010  | 17.5  | 5     | 11    | 0.8    | 15     | MKP1030350*230*** |
| 0.012  | 17.5  | 6     | 12    | 0.8    | 15     | MKP1230350*230*** |
| 0.012  | 17.5  | 5     | 11    | 0.6    | 15     | MKP1230350*230*** |
| 0.015  | 17.5  | 5     | 11    | 0.6    | 15     | MKP1530350*230*** |
| 0.015  | 17.5  | 6     | 12    | 0.8    | 15     | MKP1530350*230*** |
| 0.018  | 17.5  | 6     | 12    | 0.8    | 15     | MKP1830350*230*** |
| 0.018  | 17.5  | 5     | 11    | 0.6    | 15     | MKP1830350*230*** |
| 0.018  | 17.5  | 6     | 12    | 0.6    | 15     | MKP1830350*230*** |
| 0.018  | 17.5  | 7.5   | 13.5  | 0.8    | 15     | MKP1830350*230*** |
| 0.022  | 17.5  | 6     | 12    | 0.6    | 15     | MKP2230350*230*** |
| 0.022  | 17.5  | 7.5   | 13.5  | 0.8    | 15     | MKP2230350*230*** |
| 0.027  | 17.5  | 7.5   | 13.5  | 0.8    | 15     | MKP2730350*230*** |
| 0.027  | 17.5  | 8.5   | 14.5  | 0.8    | 15     | MKP2730350*230*** |
| 0.027  | 17.5  | 6     | 12    | 0.6    | 15     | MKP2730350*230*** |
| 0.027  | 17.5  | 7     | 12    | 0.6    | 15     | MKP2730350*230*** |
| 0.033  | 17.5  | 7.5   | 13.5  | 0.6    | 15     | MKP3330350*230*** |
| 0.033  | 17.5  | 9     | 12.5  | 0.6    | 15     | MKP3330350*230*** |
| 0.033  | 17.5  | 8.5   | 14.5  | 0.8    | 15     | MKP3330350*230*** |
| 0.039  | 17.5  | 7.5   | 13.5  | 0.6    | 15     | MKP3930350*230*** |
| 0.039  | 17.5  | 8.5   | 14.5  | 0.8    | 15     | MKP3930350*230*** |
| 0.039  | 17.5  | 9     | 12.5  | 0.6    | 15     | MKP3930350*230*** |
| 0.039  | 17.5  | 10    | 16    | 0.8    | 15     | MKP3930350*230*** |
| 0.047  | 17.5  | 8.5   | 14.5  | 0.6    | 15     | MKP4730350*230*** |
| 0.047  | 17.5  | 13    | 12    | 0.8    | 15     | MKP4730350*230*** |
| 0.047  | 17.5  | 10    | 16    | 0.8    | 15     | MKP4730350*230*** |
| 0.056  | 17.5  | 10    | 16    | 0.8    | 15     | MKP5630350*230*** |
| 0.056  | 17.5  | 11    | 19    | 0.8    | 15     | MKP5630350*230*** |
| 0.068  | 17.5  | 10    | 16    | 0.8    | 15     | MKP6830350*230*** |
| 0.068  | 17.5  | 11    | 19    | 0.8    | 15     | MKP6830350*230*** |
| 0.082  | 17.5  | 11    | 19    | 0.8    | 15     | MKP8230350*230*** |
| 0.033  | 26.5  | 6     | 15    | 0.8    | 22.5   | MKP3330350*240*** |
| 0.039  | 26.5  | 6     | 15    | 0.8    | 22.5   | MKP3930350*240*** |
| 0.047  | 26.5  | 6     | 15    | 0.8    | 22.5   | MKP4730350*240*** |
| 0.047  | 26.5  | 7     | 16    | 0.8    | 22.5   | MKP4730350*240*** |
| 0.056  | 26.5  | 6     | 15    | 0.8    | 22.5   | MKP5630350*240*** |
| 0.056  | 26.5  | 7     | 16    | 0.8    | 22.5   | MKP5630350*240*** |
| 0.068  | 26.5  | 6     | 15    | 0.8    | 22.5   | MKP6830350*240*** |
| 0.068  | 26.5  | 7     | 16    | 0.8    | 22.5   | MKP6830350*240*** |

| CN(μF) | W(mm) | T(mm) | H(mm) | φD(mm) | P1(mm) | Part number       |
|--------|-------|-------|-------|--------|--------|-------------------|
| 0.068  | 26.5  | 8.5   | 17    | 0.8    | 22.5   | MKP6830350*240*** |
| 0.082  | 26.5  | 7     | 16    | 0.8    | 22.5   | MKP8230350*240*** |
| 0.082  | 26.5  | 8.5   | 17    | 0.8    | 22.5   | MKP8230350*240*** |
| 0.082  | 26.5  | 10    | 18.5  | 0.8    | 22.5   | MKP8230350*240*** |
| 0.10   | 26.5  | 8.5   | 17    | 0.8    | 22.5   | MKP1040350*240*** |
| 0.10   | 26.5  | 10    | 18.5  | 0.8    | 22.5   | MKP1040350*240*** |
| 0.12   | 26.5  | 8.5   | 17    | 0.8    | 22.5   | MKP1240350*240*** |
| 0.12   | 26.5  | 10    | 18.5  | 0.8    | 22.5   | MKP1240350*240*** |
| 0.12   | 26.5  | 11    | 20    | 0.8    | 22.5   | MKP1240350*240*** |
| 0.15   | 26.5  | 10    | 18.5  | 0.8    | 22.5   | MKP1540350*240*** |
| 0.15   | 26.5  | 11    | 20    | 0.8    | 22.5   | MKP1540350*240*** |
| 0.15   | 26.5  | 12    | 22    | 0.8    | 22.5   | MKP1540350*240*** |
| 0.18   | 26.5  | 11    | 20    | 0.8    | 22.5   | MKP1840350*240*** |
| 0.18   | 26.5  | 12    | 22    | 0.8    | 22.5   | MKP1840350*240*** |
| 0.18   | 26.5  | 13    | 24.5  | 0.8    | 22.5   | MKP1840350*240*** |
| 0.18   | 26.5  | 14.5  | 29.5  | 0.8    | 22.5   | MKP1840350*240*** |
| 0.22   | 26.5  | 12    | 22    | 0.8    | 22.5   | MKP2240350*240*** |
| 0.22   | 26.5  | 14.5  | 29.5  | 0.8    | 22.5   | MKP2240350*240*** |
| 0.22   | 26.5  | 15.5  | 24.5  | 0.8    | 22.5   | MKP2240350*240*** |
| 0.27   | 26.5  | 13.5  | 23    | 0.8    | 22.5   | MKP2740350*240*** |
| 0.27   | 26.5  | 14.5  | 29.5  | 0.8    | 22.5   | MKP2740350*240*** |
| 0.33   | 26.5  | 15.5  | 24.5  | 0.8    | 22.5   | MKP3340350*240*** |
| 0.33   | 26.5  | 14.5  | 29.5  | 0.8    | 22.5   | MKP3340350*240*** |
| 0.33   | 26    | 20    | 30    | 0.8    | 22.5   | MKP3340350*240*** |
| 0.39   | 26.5  | 14.5  | 29.5  | 0.8    | 22.5   | MKP3940350*240*** |
| 0.39   | 26    | 20    | 30    | 0.8    | 22.5   | MKP3940350*240*** |
| 0.10   | 32    | 9     | 18    | 0.8    | 27.5   | MKP1040350*250*** |
| 0.12   | 32    | 9     | 18    | 0.8    | 27.5   | MKP1240350*250*** |
| 0.15   | 32    | 9     | 18    | 0.8    | 27.5   | MKP1540350*250*** |
| 0.15   | 32    | 18    | 12    | 0.8    | 27.5   | MKP1540350*250*** |
| 0.15   | 32    | 11    | 20    | 0.8    | 27.5   | MKP1540350*250*** |
| 0.18   | 32    | 11    | 20    | 0.8    | 27.5   | MKP1840350*250*** |
| 0.18   | 32    | 11    | 20    | 0.8    | 27.5   | MKP1840350*250*** |
| 0.22   | 32    | 11    | 20    | 0.8    | 27.5   | MKP2240350*250*** |
| 0.22   | 32    | 13    | 22    | 0.8    | 27.5   | MKP2240350*250*** |
| 0.22   | 32    | 18    | 12    | 0.8    | 27.5   | MKP2240350*250*** |
| 0.22   | 32    | 22    | 12    | 0.8    | 27.5   | MKP2240350*250*** |
| 0.27   | 32    | 11    | 20    | 0.8    | 27.5   | MKP2740350*250*** |
| 0.27   | 32    | 14    | 24    | 0.8    | 27.5   | MKP2740350*250*** |
| 0.27   | 32    | 15    | 24.5  | 0.8    | 27.5   | MKP2740350*250*** |
| 0.27   | 32    | 13    | 22    | 0.8    | 27.5   | MKP2740350*250*** |
| 0.27   | 32    | 14    | 28    | 0.8    | 27.5   | MKP2740350*250*** |
| 0.33   | 32    | 14    | 28    | 0.8    | 27.5   | MKP3340350*250*** |
| 0.33   | 32    | 13    | 22    | 0.8    | 27.5   | MKP3340350*250*** |
| 0.33   | 32    | 13    | 25    | 0.8    | 27.5   | MKP3340350*250*** |
| 0.33   | 32    | 15    | 24.5  | 0.8    | 27.5   | MKP3340350*250*** |



## 规格表 Specification table

| CN(μF) | W(mm) | T(mm) | H(mm) | φD(mm) | P1(mm) | Part number       |
|--------|-------|-------|-------|--------|--------|-------------------|
| 0.33   | 32    | 16    | 30    | 0.8    | 27.5   | MKP3340350*250*** |
| 0.33   | 32    | 18    | 28    | 0.8    | 27.5   | MKP3340350*250*** |
| 0.33   | 32    | 21    | 15    | 0.8    | 27.5   | MKP3340350*250*** |
| 0.39   | 32    | 15    | 24.5  | 0.8    | 27.5   | MKP3940350*250*** |
| 0.39   | 32    | 14    | 28    | 0.8    | 27.5   | MKP3940350*250*** |
| 0.39   | 32    | 16    | 30    | 0.8    | 27.5   | MKP3940350*250*** |
| 0.39   | 32    | 18    | 28    | 0.8    | 27.5   | MKP3940350*250*** |
| 0.39   | 32    | 18    | 33    | 0.8    | 27.5   | MKP3940350*250*** |
| 0.47   | 32    | 15    | 24.5  | 0.8    | 27.5   | MKP4740350*250*** |
| 0.47   | 32    | 14    | 28    | 0.8    | 27.5   | MKP4740350*250*** |
| 0.47   | 32    | 16    | 30    | 0.8    | 27.5   | MKP4740350*250*** |
| 0.47   | 32    | 17    | 28    | 0.8    | 27.5   | MKP4740350*250*** |
| 0.47   | 32    | 27.5  | 16    | 0.8    | 27.5   | MKP4740350*250*** |
| 0.47   | 32    | 18    | 33    | 0.8    | 27.5   | MKP4740350*250*** |
| 0.56   | 32    | 16    | 30    | 0.8    | 27.5   | MKP5640350*250*** |
| 0.56   | 32    | 17    | 28    | 0.8    | 27.5   | MKP5640350*250*** |
| 0.56   | 32    | 18    | 33    | 0.8    | 27.5   | MKP5640350*250*** |
| 0.68   | 32    | 19    | 29    | 0.8    | 27.5   | MKP6840350*250*** |
| 0.68   | 32    | 21    | 30    | 0.8    | 27.5   | MKP6840350*250*** |
| 0.68   | 32    | 22    | 37    | 0.8    | 27.5   | MKP6840350*250*** |
| 0.68   | 32    | 18    | 33    | 0.8    | 27.5   | MKP6840350*250*** |
| 0.68   | 32    | 31    | 18.5  | 0.8    | 27.5   | MKP6840350*250*** |
| 0.82   | 32    | 31    | 18.5  | 0.8    | 27.5   | MKP8240350*250*** |
| 0.82   | 32    | 18    | 33    | 0.8    | 27.5   | MKP8240350*250*** |
| 0.82   | 32    | 22    | 37    | 0.8    | 27.5   | MKP8240350*250*** |
| 1.0    | 32    | 22    | 37    | 0.8    | 27.5   | MKP1050350*250*** |
| 0.33   | 41    | 11    | 22    | 1.0    | 37.5   | MKP3340350*260*** |
| 0.33   | 41    | 13    | 24    | 1.0    | 37.5   | MKP3340350*260*** |
| 0.39   | 41    | 13    | 24    | 1.0    | 37.5   | MKP3940350*260*** |
| 0.39   | 41    | 11    | 22    | 1.0    | 37.5   | MKP3940350*260*** |
| 0.39   | 41    | 13    | 24    | 1.0    | 37.5   | MKP3940350*260*** |
| 0.47   | 41    | 13    | 24    | 1.0    | 37.5   | MKP4740350*260*** |
| 0.47   | 42    | 24    | 15    | 1.0    | 37.5   | MKP4740350*260*** |
| 0.47   | 41    | 15    | 26    | 1.0    | 37.5   | MKP4740350*260*** |
| 0.56   | 41    | 15    | 26    | 1.0    | 37.5   | MKP5640350*260*** |
| 0.56   | 42    | 14    | 28    | 1.0    | 37.5   | MKP5640350*260*** |
| 0.56   | 41    | 16    | 30    | 1.0    | 37.5   | MKP5640350*260*** |
| 0.68   | 41    | 15    | 26    | 1.0    | 37.5   | MKP6840350*260*** |
| 0.68   | 42    | 14    | 28    | 1.0    | 37.5   | MKP6840350*260*** |
| 0.68   | 41    | 16    | 30    | 1.0    | 37.5   | MKP6840350*260*** |
| 0.68   | 42    | 17    | 28    | 1.0    | 37.5   | MKP6840350*260*** |
| 0.68   | 42    | 19    | 32    | 1.0    | 37.5   | MKP6840350*260*** |
| 0.68   | 42    | 24    | 19    | 1.0    | 37.5   | MKP6840350*260*** |
| 0.68   | 41    | 16    | 30    | 1.0    | 37.5   | MKP6840350*260*** |
| 0.82   | 41    | 16    | 30    | 1.0    | 37.5   | MKP8240350*260*** |
| 0.82   | 41    | 18.5  | 33.5  | 1.0    | 37.5   | MKP8240350*260*** |

## 续上表

| CN(μF) | W(mm) | T(mm) | H(mm) | φD(mm) | P1(mm) | Part number       |
|--------|-------|-------|-------|--------|--------|-------------------|
| 0.82   | 42    | 19    | 32    | 1.0    | 37.5   | MKP8240350*260*** |
| 0.82   | 42    | 20    | 40    | 1.0    | 37.5   | MKP8240350*260*** |
| 0.82   | 42    | 24    | 19    | 1.0    | 37.5   | MKP8240350*260*** |
| 1.0    | 41    | 17    | 32    | 1.0    | 37.5   | MKP1050350*260*** |
| 1.0    | 41    | 18.5  | 33.5  | 1.0    | 37.5   | MKP1050350*260*** |
| 1.0    | 42    | 20    | 40    | 1.0    | 37.5   | MKP1050350*260*** |
| 1.0    | 41    | 22    | 37    | 1.0    | 37.5   | MKP1050350*260*** |
| 1.2    | 42    | 28    | 43    | 1.0    | 37.5   | MKP1250350*260*** |

