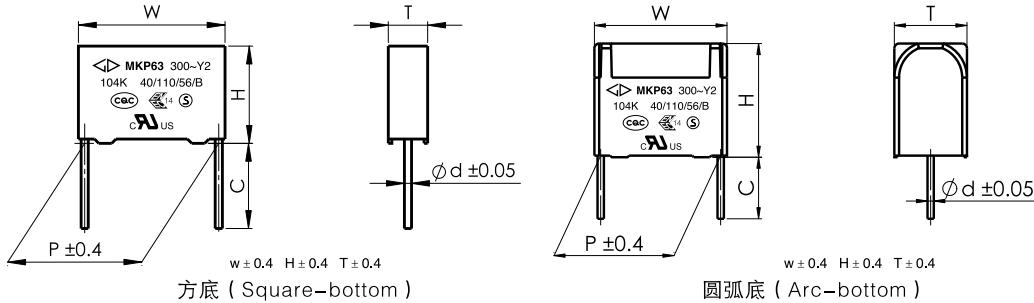


# 金属化聚丙烯膜抗干扰电容器 ( Y2类, 300Vac ) Metallized polypropylene film Interference Suppression capacitor ( Class Y2,300Vac )

## ■ 外形图 Outline Drawing



## ■ 特点

- 金属化聚丙烯
- 能承受过压冲击
- 优异的阻燃性能
- 广泛用于电源接地、旁路、天线耦合等抗干扰场合

## ■ Features

- Metallized polypropylene structure
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Widely used in line to ground, line-by-pass, antenna coupling interference suppression circuit,etc

## ■ 安全认证 Safety Approvals

|   |  |                    |                                                                                                                                  |
|---|--|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| ● |  | CQC<br>(中国)        | IEC 60384-14:2005, Y2, 300Vac, 0.001 $\mu$ F ~ 1.0 $\mu$ F, 40/110/56/B<br>证书号(Certificate No.): CQC04001009958                  |
| ● |  | ENEC-SEMKO<br>(欧盟) | EN 60384-14:2013, Y2, 300Vac, 0.001 $\mu$ F ~ 1.0 $\mu$ F, 40/110/56/B<br>证书号(Certificate No.): SE/0366-2C                       |
| ● |  | UL/CUL<br>(美国/加拿大) | UL 60384-14:2014, CSA E60384-14:09, Y2, 300Vac, 0.001 $\mu$ F ~ 1.0 $\mu$ F, 40/110/56/B<br>证书号(File No.): E186600, CCN: FOWX2/B |
| ● |  | KC<br>(韩国)         | K 60384-14(2006-12), Y2, 300Vac, 0.001 $\mu$ F ~ 0.1 $\mu$ F, 40/110/56/B<br>证书号(Certificate No.): SU03060-12005                 |

## ■ 技术要求 Specifications

|                                                                |                                                                                                              |                                      |                                      |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| 电容器类别 Class                                                    | Y2 类                                                                                                         |                                      |                                      |
| 气候类别 / 阻燃等级<br>Climatic Category/Passive Flammability Category | 40/110/56/B                                                                                                  |                                      |                                      |
| 工作温度范围<br>Operating Temperature Range                          | -40℃ ~ +110℃                                                                                                 |                                      |                                      |
| 额定电压 Rated Voltage (U <sub>R</sub> )                           | 300Vac, 50/60Hz                                                                                              |                                      |                                      |
| 最大连续直流电压<br>Maximum continuous DC voltage                      | 1 500Vdc                                                                                                     |                                      |                                      |
| 电容量范围 Capacitance Range                                        | 0.0010μF ~ 1.0μF                                                                                             |                                      |                                      |
| 电容量偏差 Capacitance Tolerance                                    | ± 10%(K), ± 20%(M)                                                                                           |                                      |                                      |
| 耐电压 Voltage Proof                                              | 引线之间 Between Terminals:                                                                                      | 2 000Vac(2s) or                      | 4 000Vdc(2s) C <sub>N</sub> ≤ 0.33μF |
|                                                                |                                                                                                              |                                      | 3 700Vdc(2s) C <sub>N</sub> > 0.33μF |
|                                                                | 极壳之间 Between Terminals To Case:                                                                              | 2 500Vac(1min)                       |                                      |
| 绝缘电阻 Insulation Resistance                                     | R ≥ 15 000MΩ, C <sub>N</sub> ≤ 0.33μF<br>RC <sub>N</sub> ≥ 5 000s, C <sub>N</sub> > 0.33μF (20℃ ,100V, 1min) |                                      |                                      |
| 损耗角正切 Dissipation Factor (tan δ )                              | ≤ 30 x 10 <sup>-4</sup> (1kHz,20℃ )                                                                          | ≤ 40 x 10 <sup>-4</sup> (10kHz,20℃ ) |                                      |



# MKP63

Code: C43

## 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 | 4 | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |

|         |                                       |                |                                                 |
|---------|---------------------------------------|----------------|-------------------------------------------------|
| 第1~3位   | 型号代码                                  | Digit 1 to 3   | Series code                                     |
|         | C43=MKP63                             |                | C43=MKP63                                       |
| 第4~5位   | 交流额定电压                                | Digit 4 to 5   | AC rated voltage                                |
|         | Q1=300V                               |                | Q1=300V                                         |
| 第6~8位   | 标称容量                                  | Digit 6 to 8   | Rated capacitance value                         |
|         | 举例：103=10 × 10 <sup>3</sup> pF=0.01μF |                | For example: 103=10 × 10 <sup>3</sup> pf=0.01μF |
| 第9位     | 容量偏差                                  | Digit 9        | Capacitance tolerance                           |
|         | K= ± 10%, M= ± 20%                    |                | K= ± 10%, M= ± 20%                              |
| 第10位    | 引线脚距P                                 | Digit 10       | Pitch                                           |
|         | 3=7.5mm 4=10.0mm 6=15.0mm             |                | 3=7.5mm 4=10.0mm 6=15.0mm                       |
|         | 9=22.5mm B=27.5mm F=37.5mm            |                | 9=22.5mm B=27.5mm F=37.5mm                      |
| 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 位 Digit 13      |                                                                                                                                                                                                                | 第 14 位 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   | 代码 Code          | 说明 explanation                                                                                                                                                                                                 |
| A               | 弹带包装<br>ammo-pack                                                                                                                                                       | 3<br>4<br>6          | F=7.5mm<br>F=10.0mm<br>F=15.0mm                                                                                                                                                                                | 0               | 表示直脚<br>straight | 1<br>5           | 产品在连续的两个载带孔之间<br>each cap. among two consecutive holes<br>P3=12.7mm,H=18.5mm (For pitch=7.5mm)<br>P3=25.4mm;H=18.5mm (For pitch=10.0/15.0mm)<br>(Detail parameter refer to catalogue pag 17)                   |
| C               | 直脚<br>straight lead<br>“C” in the<br>figure above                                                                                                                       | 代码 Code<br>00<br>45  | 说明 explanation<br>标准的引线长度 (18mm~26mm)<br>standard lead length<br>引线长度 4.5mm<br>lead length 4.5mm                                                                                                               |                 |                  | 0                | 引线长度偏差 ±0.5mm 或标准长度<br>Length tolerance ± 0.5mm<br>Or standard length                                                                                                                                          |
| D<br>E<br>M     | 软绝缘线 (多股)<br>Insulated stranded<br>leads<br>硬绝缘线 (单股)<br>Insulated solid<br>leads<br>软绝缘线 (多股),<br>外壳带正底安装耳<br>Insulated stranded<br>leads<br>Box with mounting<br>foot | C5<br>K0<br>K2<br>L0 | 35mm<br>100mm<br>120mm<br>200mm<br>注 1: 这里的长度包含剥线长度<br>Note 1: This length includes the stripping parts.<br>注 2: 一般 P ≥ 27.5 产品才可选用绝缘线方式<br>Note 2: Normally, for P ≥ 27.5 Caps can choice<br>Insulated leads. |                 |                  | 1<br>2<br>3<br>4 | 引线长度偏差 -5mm ~ 0mm<br>Length tolerance -5 mm ~ 0 mm<br>引线长度偏差 0 mm ~ +5 mm<br>Length tolerance 0 mm ~ +5 mm<br>引线长度偏差 0 mm ~ +10mm<br>Length tolerance 0 mm ~ +10mm<br>引线长度偏差 ± 5 mm<br>Length tolerance ± 5 mm |

## ■ 外形尺寸 Dimensions ( mm )

| 300Vac                 |      |      |      |      |     |                    |
|------------------------|------|------|------|------|-----|--------------------|
| C <sub>N</sub><br>(μF) | W    | H    | T    | P    | d   | Part number        |
| 0.0010                 | 10.5 | 9.0  | 4.0  | 7.5  | 0.6 | C43Q1102-30****+++ |
| 0.0012                 | 10.5 | 9.0  | 4.0  | 7.5  | 0.6 | C43Q1122-30****+++ |
| 0.0015                 | 10.5 | 9.0  | 4.0  | 7.5  | 0.6 | C43Q1152-30****+++ |
| 0.0018                 | 10.5 | 9.0  | 4.0  | 7.5  | 0.6 | C43Q1182-30****+++ |
| 0.0022                 | 10.5 | 9.0  | 4.0  | 7.5  | 0.6 | C43Q1222-30****+++ |
| 0.0027                 | 10.5 | 9.0  | 4.0  | 7.5  | 0.6 | C43Q1272-30****+++ |
| 0.0033                 | 10.5 | 11.0 | 5.0  | 7.5  | 0.6 | C43Q1332-30****+++ |
| 0.0039                 | 10.5 | 11.0 | 5.0  | 7.5  | 0.6 | C43Q1392-30****+++ |
| 0.0047                 | 10.5 | 12.0 | 6.0  | 7.5  | 0.6 | C43Q1472-30****+++ |
| 0.0056                 | 10.5 | 12.0 | 6.0  | 7.5  | 0.6 | C43Q1562-30****+++ |
| 0.0010                 | 13.0 | 9.0  | 4.0  | 10.0 | 0.6 | C43Q1102-40****+++ |
| 0.0012                 | 13.0 | 9.0  | 4.0  | 10.0 | 0.6 | C43Q1122-40****+++ |
| 0.0015                 | 13.0 | 9.0  | 4.0  | 10.0 | 0.6 | C43Q1152-40****+++ |
| 0.0018                 | 13.0 | 9.0  | 4.0  | 10.0 | 0.6 | C43Q1182-40****+++ |
| 0.0022                 | 13.0 | 9.0  | 4.0  | 10.0 | 0.6 | C43Q1222-40****+++ |
| 0.0027                 | 13.0 | 9.0  | 4.0  | 10.0 | 0.6 | C43Q1272-40****+++ |
| 0.0033                 | 13.0 | 9.0  | 4.0  | 10.0 | 0.6 | C43Q1332-40****+++ |
| 0.0039                 | 13.0 | 9.0  | 4.0  | 10.0 | 0.6 | C43Q1392-40****+++ |
| 0.0047                 | 13.0 | 11.0 | 5.0  | 10.0 | 0.6 | C43Q1472-40****+++ |
| 0.0056                 | 13.0 | 11.0 | 5.0  | 10.0 | 0.6 | C43Q1562-41****+++ |
| 0.0068                 | 13.0 | 11.0 | 5.0  | 10.0 | 0.6 | C43Q1682-41****+++ |
| 0.0068                 | 13.0 | 7.5  | 9.5  | 10.0 | 0.6 | C43Q1682-4C****+++ |
| 0.0082                 | 13.0 | 12.0 | 6.0  | 10.0 | 0.6 | C43Q1822-40****+++ |
| 0.010                  | 13.0 | 12.0 | 6.0  | 10.0 | 0.6 | C43Q1103-40****+++ |
| 0.015                  | 13.0 | 12.0 | 6.0  | 10.0 | 0.6 | C43Q1153-4S****+++ |
| 0.0022                 | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1222-60****+++ |
| 0.0027                 | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1272-61****+++ |
| 0.0033                 | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1332-61****+++ |
| 0.0039                 | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1392-61****+++ |
| 0.0047                 | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1472-61****+++ |
| 0.0056                 | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1562-61****+++ |
| 0.0068                 | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1682-61****+++ |
| 0.0082                 | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1822-61****+++ |
| 0.010                  | 17.5 | 9.5  | 5.0  | 15.0 | 0.6 | C43Q1103-6S****+++ |
| 0.012                  | 17.5 | 11.0 | 5.0  | 15.0 | 0.6 | C43Q1123-6S****+++ |
| 0.015                  | 17.5 | 11.0 | 5.0  | 15.0 | 0.6 | C43Q1153-6S****+++ |
| 0.018M                 | 17.5 | 11.0 | 5.0  | 15.0 | 0.6 | C43Q1183M6S****+++ |
| 0.018K                 | 17.5 | 12.0 | 6.0  | 15.0 | 0.6 | C43Q1183K6S****+++ |
| 0.022                  | 17.5 | 12.0 | 6.0  | 15.0 | 0.6 | C43Q1223-6S****+++ |
| 0.027M                 | 17.5 | 12.0 | 6.0  | 15.0 | 0.6 | C43Q1273M6S****+++ |
| 0.027K                 | 17.5 | 12.0 | 7.0  | 15.0 | 0.6 | C43Q1273K6S****+++ |
| 0.033                  | 17.5 | 13.5 | 7.5  | 15.0 | 0.6 | C43Q1333-6S****+++ |
| 0.033                  | 17.5 | 12.5 | 9.0  | 15.0 | 0.6 | C43Q1333-6A****+++ |
| 0.039                  | 17.5 | 13.5 | 7.5  | 15.0 | 0.6 | C43Q1393-6S****+++ |
| 0.039                  | 17.5 | 12.5 | 9.0  | 15.0 | 0.6 | C43Q1393-6A****+++ |
| 0.047                  | 17.5 | 14.5 | 8.5  | 15.0 | 0.6 | C43Q1473-6S****+++ |
| 0.047                  | 17.5 | 12.0 | 13.0 | 15.0 | 0.8 | C43Q1473-6C****+++ |
| 0.056                  | 17.5 | 16.0 | 10.0 | 15.0 | 0.8 | C43Q1563-6S****+++ |
| 0.068                  | 17.5 | 16.0 | 10.0 | 15.0 | 0.8 | C43Q1683-6S****+++ |
| 0.082                  | 17.5 | 19.0 | 11.0 | 15.0 | 0.8 | C43Q1823-6S****+++ |
| 0.033                  | 26.5 | 15.0 | 6.0  | 22.5 | 0.8 | C43Q1333-90****+++ |
| 0.039                  | 26.5 | 15.0 | 6.0  | 22.5 | 0.8 | C43Q1393-90****+++ |
| 0.047                  | 26.5 | 15.0 | 6.0  | 22.5 | 0.8 | C43Q1473-9S****+++ |
| 0.056                  | 26.5 | 15.0 | 6.0  | 22.5 | 0.8 | C43Q1563-9S****+++ |
| 0.068M                 | 26.5 | 15.0 | 6.0  | 22.5 | 0.8 | C43Q1683M9S****+++ |
| 0.068K                 | 26.5 | 16.0 | 7.0  | 22.5 | 0.8 | C43Q1683K9S****+++ |
| 0.082                  | 26.5 | 16.0 | 7.0  | 22.5 | 0.8 | C43Q1823-9S****+++ |

| 300Vac                 |      |      |      |      |     |                    |
|------------------------|------|------|------|------|-----|--------------------|
| C <sub>N</sub><br>(μF) | W    | H    | T    | P    | d   | Part number        |
| 0.10                   | 26.5 | 17.0 | 8.5  | 22.5 | 0.8 | C43Q1104-9S****+++ |
| 0.12                   | 26.5 | 17.0 | 8.5  | 22.5 | 0.8 | C43Q1124-9S****+++ |
| 0.15                   | 26.5 | 18.5 | 10.0 | 22.5 | 0.8 | C43Q1154-9S****+++ |
| 0.18                   | 26.5 | 20.0 | 11.0 | 22.5 | 0.8 | C43Q1184-9S****+++ |
| 0.22                   | 26.5 | 22.0 | 12.0 | 22.5 | 0.8 | C43Q1224-9S****+++ |
| 0.27                   | 26.5 | 23.0 | 13.5 | 22.5 | 0.8 | C43Q1274-9S****+++ |
| 0.33                   | 26.5 | 24.5 | 15.5 | 22.5 | 0.8 | C43Q1334-9S****+++ |
| 0.33                   | 26.5 | 29.5 | 14.5 | 22.5 | 0.8 | C43Q1334-9A****+++ |
| 0.39M                  | 26.5 | 29.5 | 14.5 | 22.5 | 0.8 | C43Q1394M9S****+++ |
| 0.10                   | 32.0 | 18.0 | 9.0  | 27.5 | 0.8 | C43Q1104-B0****+++ |
| 0.12                   | 32.0 | 18.0 | 9.0  | 27.5 | 0.8 | C43Q1124-B0****+++ |
| 0.15                   | 32.0 | 18.0 | 9.0  | 27.5 | 0.8 | C43Q1154-B0****+++ |
| 0.15                   | 32.0 | 12.0 | 18.0 | 27.5 | 0.8 | C43Q1154-BC****+++ |
| 0.18                   | 32.0 | 20.0 | 11.0 | 27.5 | 0.8 | C43Q1184-BS****+++ |
| 0.22                   | 32.0 | 20.0 | 11.0 | 27.5 | 0.8 | C43Q1224-BS****+++ |
| 0.22M                  | 32.0 | 12.0 | 18.0 | 27.5 | 0.8 | C43Q1224MBC****+++ |
| ★ 0.22K                | 32.0 | 12.0 | 22.0 | 27.5 | 0.8 | C43Q1224KBC****+++ |
| 0.27M                  | 32.0 | 20.0 | 11.0 | 27.5 | 0.8 | C43Q1274MBS****+++ |
| 0.27K                  | 32.0 | 22.0 | 13.0 | 27.5 | 0.8 | C43Q1274KBS****+++ |
| 0.33M                  | 32.0 | 22.0 | 13.0 | 27.5 | 0.8 | C43Q1334MBS****+++ |
| 0.33K                  | 32.0 | 25.0 | 13.0 | 27.5 | 0.8 | C43Q1334KBS****+++ |
| 0.33K                  | 32.0 | 24.5 | 15.0 | 27.5 | 0.8 | C43Q1334KBA****+++ |
| ★ 0.33M                | 32.0 | 12.0 | 22.0 | 27.5 | 0.8 | C43Q1334MBC****+++ |
| 0.39                   | 32.0 | 24.5 | 15.0 | 27.5 | 0.8 | C43Q1394-BA****+++ |
| 0.39                   | 32.0 | 28.0 | 14.0 | 27.5 | 0.8 | C43Q1394-BS****+++ |
| 0.47M                  | 32.0 | 24.5 | 15.0 | 27.5 | 0.8 | C43Q1474MBA****+++ |
| 0.47M                  | 32.0 | 28.0 | 14.0 | 27.5 | 0.8 | C43Q1474MBS****+++ |
| 0.47K                  | 32.0 | 30.0 | 16.0 | 27.5 | 0.8 | C43Q1474KBS****+++ |
| 0.47K                  | 32.0 | 28.0 | 17.0 | 27.5 | 0.8 | C43Q1474KBA****+++ |
| ★ 0.47                 | 32.0 | 16.0 | 27.5 | 27.5 | 0.8 | C43Q1474-BC****+++ |
| 0.56                   | 32.0 | 30.0 | 16.0 | 27.5 | 0.8 | C43Q1564-BS****+++ |
| 0.56                   | 32.0 | 28.0 | 17.0 | 27.5 | 0.8 | C43Q1564-BA****+++ |
| 0.68M                  | 32.0 | 29.0 | 19.0 | 27.5 | 0.8 | C43Q1684MBA****+++ |
| 0.68K                  | 32.0 | 30.0 | 21.0 | 27.5 | 0.8 | C43Q1684KBA****+++ |
| 0.68                   | 32.0 | 33.0 | 18.0 | 27.5 | 0.8 | C43Q1684-BS****+++ |
| ★ 0.68                 | 32.0 | 18.5 | 31.0 | 27.5 | 0.8 | C43Q1684-BC****+++ |
| ★ 0.82M                | 32.0 | 18.5 | 31.0 | 27.5 | 0.8 | C43Q1824MBC****+++ |
| 0.82M                  | 32.0 | 33.0 | 18.0 | 27.5 | 0.8 | C43Q1824MBS****+++ |
| 0.82K                  | 32.0 | 37.0 | 22.0 | 27.5 | 0.8 | C43Q1824KBS****+++ |
| 1.0                    | 32.0 | 37.0 | 22.0 | 27.5 | 0.8 | C43Q1105-BS****+++ |
| 0.33                   | 41.0 | 22.0 | 11.0 | 37.5 | 1.0 | C43Q1334-FS****+++ |
| 0.39M                  | 41.0 | 22.0 | 11.0 | 37.5 | 1.0 | C43Q1394MFS****+++ |
| 0.39K                  | 41.0 | 24.0 | 13.0 | 37.5 | 1.0 | C43Q1394KFS****+++ |
| 0.47                   | 41.0 | 24.0 | 13.0 | 37.5 | 1.0 | C43Q1474-FS****+++ |
| 0.47                   | 42.0 | 15.0 | 24.0 | 37.5 | 1.0 | C43Q1474-FC****+++ |
| 0.56                   | 41.0 | 26.0 | 15.0 | 37.5 | 1.0 | C43Q1564-FS****+++ |
| 0.56                   | 42.0 | 28.0 | 14.0 | 37.5 | 1.0 | C43Q1564-FA****+++ |
| 0.68M                  | 41.0 | 26.0 | 15.0 | 37.5 | 1.0 | C43Q1684MFA****+++ |
| 0.68M                  | 42.0 | 28.0 | 14.0 | 37.5 | 1.0 | C43Q1684MFS****+++ |
| 0.68K                  | 41.0 | 30.0 | 16.0 | 37.5 | 1.0 | C43Q1684KFS****+++ |
| 0.68M                  | 42.0 | 15.0 | 24.0 | 37.5 | 1.0 | C43Q1684MFC****+++ |
| 0.82                   | 41.0 | 30.0 | 16.0 | 37.5 | 1.0 | C43Q1824-FS****+++ |
| 0.82                   | 42.0 | 19.0 | 24.0 | 37.5 | 1.0 | C43Q1824-FC****+++ |
| 1.0M                   | 41.0 | 32.0 | 17.0 | 37.5 | 1.0 | C43Q1105MFS****+++ |
| 1.0K                   | 41.0 | 33.5 | 18.5 | 37.5 | 1.0 | C43Q1105KFS****+++ |

- 备注: 1. “-”表示容量偏差。 “-”=capacitance tolerance code, M=±20%, K=±10%  
 2. “\*\*\*\*”表示引线加工和包装代码(见table 1)。“\*\*\*\*”=lead form and packing code (refer to table 1)  
 3. “★”表示外壳为圆弧底。“★”=Arc bottom of the outer shell.