

## Polyester Film Capacitor

Type: **ECQB**

Designed for application where high density insertion of components is required.

### ■Features

- ◆ High volumetric efficiency
- ◆ Non-inductive construction

### ■Recommended Applications

- ◆ General purpose usage

### ■Explanation of Part Numbers

| 1                                                                                                                                     | 2       | 3                         | 4       | 5             | 6               | 7           | 8  | 9         | 10 | 11     | 12     |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
|---------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------|---------|---------------|-----------------|-------------|----|-----------|----|--------|--------|--------------------------------------------------------------------------------|--|-----|------|---|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|--|--|------|--|------|--|------|--|-------|-------|----------|---------|----------|---------|--|-----------------|---|---|---|---|-------|---|
| E                                                                                                                                     | C       | Q                         | B       |               |                 |             |    |           |    | F      |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| Product code                                                                                                                          |         | Dielectric & construction |         | Rated voltage |                 | Capacitance |    | Cap. Tol. |    | Suffix | Suffix |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| <table><tr><td>50VDC</td><td>63VDC</td><td>100VDC</td><td>200VDC</td></tr><tr><td>1H</td><td>1J</td><td>1</td><td>2</td></tr></table> |         | 50VDC                     | 63VDC   | 100VDC        | 200VDC          | 1H          | 1J | 1         | 2  |        |        | <table><tr><td>±5%</td><td>±10%</td></tr><tr><td>J</td><td>K</td></tr></table> |  | ±5% | ±10% | J | K | <table><tr><th colspan="4">Taping</th><th colspan="2">lead</th></tr><tr><th colspan="2">Ammo</th><th colspan="2">Reel</th><th>Type1</th><th>Type2</th></tr><tr><td>Straight</td><td>Crimped</td><td>Straight</td><td>Crimped</td><td></td><td>style N style T</td></tr><tr><td>4</td><td>3</td><td>5</td><td>9</td><td>Blank</td><td>W</td></tr></table> |  | Taping |  |  |  | lead |  | Ammo |  | Reel |  | Type1 | Type2 | Straight | Crimped | Straight | Crimped |  | style N style T | 4 | 3 | 5 | 9 | Blank | W |
| 50VDC                                                                                                                                 | 63VDC   | 100VDC                    | 200VDC  |               |                 |             |    |           |    |        |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| 1H                                                                                                                                    | 1J      | 1                         | 2       |               |                 |             |    |           |    |        |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| ±5%                                                                                                                                   | ±10%    |                           |         |               |                 |             |    |           |    |        |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| J                                                                                                                                     | K       |                           |         |               |                 |             |    |           |    |        |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| Taping                                                                                                                                |         |                           |         | lead          |                 |             |    |           |    |        |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| Ammo                                                                                                                                  |         | Reel                      |         | Type1         | Type2           |             |    |           |    |        |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| Straight                                                                                                                              | Crimped | Straight                  | Crimped |               | style N style T |             |    |           |    |        |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |
| 4                                                                                                                                     | 3       | 5                         | 9       | Blank         | W               |             |    |           |    |        |        |                                                                                |  |     |      |   |   |                                                                                                                                                                                                                                                                                                                                                          |  |        |  |  |  |      |  |      |  |      |  |       |       |          |         |          |         |  |                 |   |   |   |   |       |   |

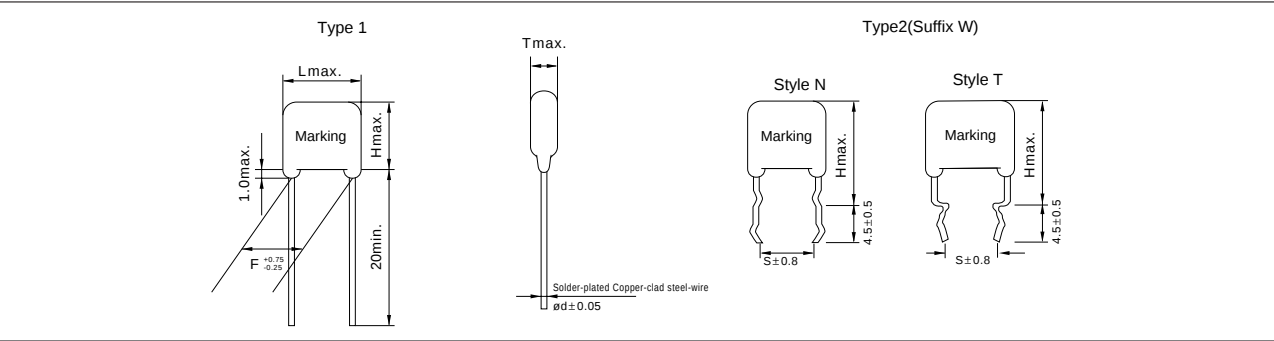
### ●Explanation of Part Number for Odd Size Taping

|              |          |                           |          |               |  |             |  |  |                    |           |          |
|--------------|----------|---------------------------|----------|---------------|--|-------------|--|--|--------------------|-----------|----------|
| <b>E</b>     | <b>C</b> | <b>Q</b>                  | <b>B</b> |               |  |             |  |  | <b>R</b>           |           | <b>F</b> |
| Product code |          | Dielectric & construction |          | Rated voltage |  | Capacitance |  |  | 7.5mm Crimped lead | Cap. Tol. | Suffix   |

### ■Specifications

|                       |                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category temp. range  | -40 to +85°C                                                                                                                                                   |
| Rated voltage         | 50VDC, 63VDC, 100VDC, 200VDC                                                                                                                                   |
| Capacitance range     | 0.0001 to 0.47μF                                                                                                                                               |
| Capacitance tolerance | ±5%(J), ±10%(K) (0.0001 to 0.00039 μF/50V, 63VDC : ±10%only)                                                                                                   |
| Dissipation factor    | 0.8%max.(20°C, 1kHz) (ECQB(F)100VDC : 1.0%max.)                                                                                                                |
| Withstand voltage     | Between terminals : Rated voltage(VDC)×250%1 to 5s                                                                                                             |
| Insulation resistance | $C \leq 0.33\mu F$ : 30000 MΩ · μFmin. (20°C, 50 VDC 60s : ECQB1H(F), ECQB1J(F))<br>$C > 0.33\mu F$ : 10000MΩ · μFmin. (20°C, 100VDC 60s : ECQB1(F), ECQB2(F)) |

### ■Dimensions in mm(not to scale)



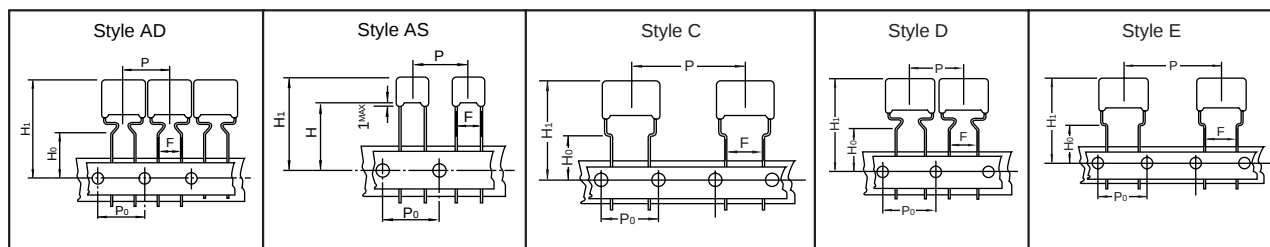
Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.

# **■ Packaging Specifications for Bulk Package**

Packing quantity : 100pcs./bag

# **■ Taping Specifications for Automatic Insertion**

## **● Taping style**



## **● Packaging Specifications**

| Type     | Rated volt. | Cap.range (μF)  | Taping Style |    |   |   |   |   | Packing |
|----------|-------------|-----------------|--------------|----|---|---|---|---|---------|
|          |             |                 | AD           | AS | B | C | D | E |         |
| ECQB (F) | 50VDC       | 0.0001 to 0.22  | ○            | ○  |   | ○ | ○ |   | Ammo    |
|          |             | 0.0001 to 0.1   | ○            | ○  |   |   | ○ |   | Ammo    |
|          |             | 0.0001 to 0.22  | ○            | ○  |   |   |   |   | Reel    |
|          |             | 0.0001 to 0.1   | ○            | ○  |   |   |   |   | Reel    |
|          | 63VDC       | 0.0001 to 0.033 | ○            | ○  |   |   |   |   | Ammo    |
|          |             | 0.0001 to 0.033 | ○            | ○  |   |   |   |   | Reel    |
|          | 100VDC      | 0.0001 to 0.1   | ○            |    |   |   |   |   | Ammo    |
|          |             | 0.0001 to 0.047 |              |    |   |   |   |   | Ammo    |
|          |             | 0.0001 to 0.1   |              |    |   |   |   |   | Reel    |
|          |             | 0.0001 to 0.047 |              |    |   |   |   |   | Reel    |
|          | 200VDC      | 0.1 to 0.47     |              |    |   |   |   |   | Ammo    |
|          |             | 0.001 to 0.033  |              |    |   |   |   |   | Ammo    |
|          |             | 0.0033 to 0.056 |              |    |   |   |   |   | Ammo    |
|          |             | 0.068 to 0.47   |              |    |   |   |   | ○ | Ammo    |
|          |             | 0.039 to 0.22   |              |    |   |   |   |   | Ammo    |

## **● Lead Spacing**

| Style | Lead          |
|-------|---------------|
| AD    | Spacing 5.0mm |
| AS    | 5.0mm         |
| C     | 5.0mm         |
| D     | 7.5mm         |
| E     | 7.5mm         |

※ See the column "Rating, Dimensions & Quantity Box" for packing quantity.

## ■ Rating, Dimensions &amp; Quantity/Ammo Box &amp; Reel

● Type ECQB(F), Rated voltage:50VDC, Capacitance tolerance: ±5%(J),±10%(K)

Only ±10%(K) is available from 0.0001 to 0.00039μF

| Part No.        | Cap.<br>(μF) | Dimensions (mm)   |                   |                   |        |       |     |      | Quantity |      |
|-----------------|--------------|-------------------|-------------------|-------------------|--------|-------|-----|------|----------|------|
|                 |              | L <sub>max.</sub> | T <sub>max.</sub> | H <sub>max.</sub> |        | F     | S   | ød   | Ammo     | Reel |
|                 |              |                   |                   | Type-1            | Type-2 |       |     |      |          |      |
| ECQB1H101KF( )  | 0.0001       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 | 2000     | 2000 |
| ECQB1H121KF( )  | 0.00012      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H151KF( )  | 0.00015      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H181KF( )  | 0.00018      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H221KF( )  | 0.00022      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H271KF( )  | 0.00027      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H331KF( )  | 0.00033      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H391KF( )  | 0.00039      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H471 □F( ) | 0.00047      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H561 □F( ) | 0.00056      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H681 □F( ) | 0.00068      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H821 □F( ) | 0.00082      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H102 □F( ) | 0.001        | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H122 □F( ) | 0.0012       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H152 □F( ) | 0.0015       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H182 □F( ) | 0.0018       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H222 □F( ) | 0.0022       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H272 □F( ) | 0.0027       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H332 □F( ) | 0.0033       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H392 □F( ) | 0.0039       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H472 □F( ) | 0.0047       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H562 □F( ) | 0.0056       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H682 □F( ) | 0.0068       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H822 □F( ) | 0.0082       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H103 □F( ) | 0.01         | 7.0               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H123 □F( ) | 0.012        | 7.3               | 3.3               | 6.3               | 11.3   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H153 □F( ) | 0.015        | 7.5               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H183 □F( ) | 0.018        | 7.5               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H223 □F( ) | 0.022        | 7.5               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H273 □F( ) | 0.027        | 7.5               | 3.5               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H333 □F( ) | 0.033        | 7.5               | 3.5               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H393 □F( ) | 0.039        | 7.5               | 4.0               | 7.0               | 12.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H473 □F( ) | 0.047        | 7.5               | 4.0               | 7.0               | 12.0   | 5.00  | 5.0 | 0.50 | 1000     | 1000 |
| ECQB1H563 □F( ) | 0.056        | 8.0               | 4.3               | 7.5               | 12.5   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H683 □F( ) | 0.068        | 8.0               | 4.3               | 8.5               | 13.5   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H823 □F( ) | 0.082        | 8.0               | 4.5               | 8.5               | 13.5   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H104 □F( ) | 0.1          | 8.0               | 5.0               | 10.0              | 15.0   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1H124 □F( ) | 0.12         | 11.0              | 5.0               | 9.5               | 14.5   | 7.50  | 5.0 | 0.60 |          |      |
| ECQB1H154 □F( ) | 0.15         | 11.0              | 5.0               | 10.0              | 15.0   | 7.50  | 5.0 | 0.60 |          |      |
| ECQB1H184 □F( ) | 0.18         | 11.0              | 5.5               | 10.5              | 15.5   | 7.50  | 5.0 | 0.60 | 500      |      |
| ECQB1H224 □F( ) | 0.22         | 11.0              | 6.0               | 11.5              | 16.5   | 7.50  | 5.0 | 0.60 |          |      |
| ECQB1H274 □F( ) | 0.27         | 13.0              | 6.0               | 12.0              | 17.0   | 10.00 | 5.0 | 0.60 | —        | —    |
| ECQB1H334 □F( ) | 0.33         | 13.0              | 6.5               | 13.0              | 18.0   | 10.00 | 5.0 | 0.60 |          |      |
| ECQB1H394 □F( ) | 0.39         | 13.0              | 7.0               | 14.0              | 19.0   | 10.00 | 5.0 | 0.60 |          |      |
| ECQB1H474 □F( ) | 0.47         | 13.0              | 7.5               | 14.5              | 19.5   | 10.00 | 5.0 | 0.60 |          |      |

└─ Suffix for lead crimped or taped type  
 └─ Cap. tol. code

StyleN:0.0001 to 0.1 μF  
 StyleT:0.12 to 0.47 μF

■ Rating, Dimensions & Quantity/Ammo Box & Reel

● Type ECQB(F), Rated voltage:63VDC, Capacitance tolerance: ±5%(J),±10%(K)

Only ±10%(K) is available from 0.0001 to 0.00039μF

| Part No.        | Cap.<br>(μF) | Dimensions (mm)   |                   |                   |        |        |        |      | Quantity |      |
|-----------------|--------------|-------------------|-------------------|-------------------|--------|--------|--------|------|----------|------|
|                 |              | L <sup>max.</sup> | T <sup>max.</sup> | H <sup>max.</sup> |        | F      |        | S    | ød       |      |
|                 |              |                   |                   | Type-1            | Type-2 | Type-1 | Type-2 |      |          |      |
| ECQB1J101KF( )  | 0.0001       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 | 2000     | 2000 |
| ECQB1J121KF( )  | 0.00012      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J151KF( )  | 0.00015      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J181KF( )  | 0.00018      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J221KF( )  | 0.00022      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J271KF( )  | 0.00027      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J331KF( )  | 0.00033      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J391KF( )  | 0.00039      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J471 □F( ) | 0.00047      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J561 □F( ) | 0.00056      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J681 □F( ) | 0.00068      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J821 □F( ) | 0.00082      | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J102 □F( ) | 0.001        | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J122 □F( ) | 0.0012       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J152 □F( ) | 0.0015       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J182 □F( ) | 0.0018       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J222 □F( ) | 0.0022       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J272 □F( ) | 0.0027       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J332 □F( ) | 0.0033       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J392 □F( ) | 0.0039       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J472 □F( ) | 0.0047       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J562 □F( ) | 0.0056       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J682 □F( ) | 0.0068       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J822 □F( ) | 0.0082       | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J103 □F( ) | 0.01         | 7.0               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J123 □F( ) | 0.012        | 7.3               | 3.3               | 6.3               | 11.3   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J153 □F( ) | 0.015        | 7.5               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J183 □F( ) | 0.018        | 7.5               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J223 □F( ) | 0.022        | 7.5               | 3.0               | 6.0               | 11.0   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J273 □F( ) | 0.027        | 7.5               | 3.5               | 6.5               | 11.5   | 5.00   | 5.0    | 0.50 |          |      |
| ECQB1J333 □F( ) | 0.033        | 7.5               | 3.5               | 6.5               | 11.5   | 5.00   | 5.0    | 0.50 |          |      |

↑    ↖    Suffix for lead crimped or taped type  
 —    Cap. tol. code

StyleN:0.0001 to 0.033 μF

■ Rating, Dimensions & Quantity/Ammo Box & Reel

● Type ECQB(F), Rated voltage:100VDC, Capacitance tolerance: ±5%(J),±10%(K)

Only ±10%(K) is available from 0.0001 to 0.00039μF

| Part No.      | Cap.<br>(μF) | Dimensions (mm)   |                   |                   |        |       |     |      | Quantity |      |        |
|---------------|--------------|-------------------|-------------------|-------------------|--------|-------|-----|------|----------|------|--------|
|               |              | L <sub>max.</sub> | T <sub>max.</sub> | H <sub>max.</sub> |        | F     | S   | ød   | Ammo     | Reel |        |
|               |              |                   |                   | Type-1            | Type-2 |       |     |      |          |      | Type-1 |
| ECQB1101KF( ) | 0.0001       | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 | 2000     | 2000 |        |
| ECQB1121KF( ) | 0.00012      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1151KF( ) | 0.00015      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1181KF( ) | 0.00018      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1221KF( ) | 0.00022      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1271KF( ) | 0.00027      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1331KF( ) | 0.00033      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1391KF( ) | 0.00039      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1471□F( ) | 0.00047      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1561□F( ) | 0.00056      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1681□F( ) | 0.00068      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1821□F( ) | 0.00082      | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1102□F( ) | 0.001        | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1122□F( ) | 0.0012       | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1152□F( ) | 0.0015       | 7.2               | 3.0               | 6.0               | 11.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1182□F( ) | 0.0018       | 7.2               | 3.0               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1222□F( ) | 0.0022       | 7.2               | 3.0               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1272□F( ) | 0.0027       | 7.2               | 3.0               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1332□F( ) | 0.0033       | 7.2               | 3.0               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1392□F( ) | 0.0039       | 7.2               | 3.0               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1472□F( ) | 0.0047       | 7.2               | 3.0               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1562□F( ) | 0.0056       | 7.2               | 3.0               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1682□F( ) | 0.0068       | 7.2               | 3.0               | 6.5               | 11.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1822□F( ) | 0.0082       | 7.2               | 3.2               | 7.0               | 12.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1103□F( ) | 0.01         | 7.2               | 3.2               | 7.0               | 12.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1123□F( ) | 0.012        | 7.2               | 3.5               | 7.0               | 12.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1153□F( ) | 0.015        | 7.2               | 4.0               | 7.5               | 12.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1183□F( ) | 0.018        | 7.5               | 4.5               | 8.0               | 13.0   | 5.00  | 5.0 | 0.50 | 1000     | 1000 |        |
| ECQB1223□F( ) | 0.022        | 7.5               | 4.5               | 9.0               | 14.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1273□F( ) | 0.027        | 7.5               | 5.0               | 9.5               | 14.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1333□F( ) | 0.033        | 7.5               | 5.5               | 10.0              | 15.0   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1393□F( ) | 0.039        | 7.5               | 6.0               | 10.5              | 15.5   | 5.00  | 5.0 | 0.50 | 500      |      | 1000   |
| ECQB1473□F( ) | 0.047        | 7.5               | 6.5               | 11.5              | 16.5   | 5.00  | 5.0 | 0.50 |          |      |        |
| ECQB1563□F( ) | 0.056        | 10.0              | 5.0               | 9.5               | 14.5   | 7.50  | 5.0 | 0.60 |          |      |        |
| ECQB1683□F( ) | 0.068        | 10.0              | 5.5               | 10.5              | 15.5   | 7.50  | 5.0 | 0.60 |          |      |        |
| ECQB1823□F( ) | 0.082        | 10.0              | 5.5               | 12.0              | 17.0   | 7.50  | 5.0 | 0.60 |          |      |        |
| ECQB1104□F( ) | 0.1          | 10.5              | 6.0               | 12.5              | 17.5   | 7.50  | 5.0 | 0.60 |          |      |        |
| ECQB1124□F( ) | 0.12         | 10.5              | 7.0               | 13.5              | 18.5   | 7.50  | 5.0 | 0.60 | 1000     |      | —      |
| ECQB1154□F( ) | 0.15         | 13.0              | 7.0               | 12.0              | 17.0   | 10.00 | 5.0 | 0.60 |          |      |        |
| ECQB1184□F( ) | 0.18         | 13.0              | 7.5               | 12.5              | 17.5   | 10.00 | 5.0 | 0.60 | 500      | —    |        |
| ECQB1224□F( ) | 0.22         | 13.0              | 8.0               | 13.0              | 18.0   | 10.00 | 5.0 | 0.60 |          |      |        |
| ECQB1274□F( ) | 0.27         | 13.0              | 8.5               | 15.0              | 20.0   | 10.00 | 5.0 | 0.60 |          |      |        |
| ECQB1334□F( ) | 0.33         | 13.0              | 9.0               | 16.0              | 21.0   | 10.00 | 5.0 | 0.60 |          |      |        |
| ECQB1394□F( ) | 0.39         | 13.0              | 10.5              | 17.0              | 22.0   | 10.00 | 5.0 | 0.60 |          |      |        |
| ECQB1474□F( ) | 0.47         | 13.0              | 11.5              | 17.5              | 22.5   | 10.00 | 5.0 | 0.60 |          |      |        |

└─ Suffix for lead crimped or taped type  
 └─ Cap. tol. code

StyleN:0.0001 to 0.047 μF  
 StyleT:0.056 to 0.47 μF

■ Rating, Dimensions & Quantity/Ammo Box & Reel

● Type ECQB(F), Rated voltage:200VDC, Capacitance tolerance:±5%(J),±10%(K)

| Part No.      | Cap.<br>(μF) | Dimensions (mm)   |                   |                   |        |       |      |      | Quantity |
|---------------|--------------|-------------------|-------------------|-------------------|--------|-------|------|------|----------|
|               |              | L <sub>max.</sub> | T <sub>max.</sub> | H <sub>max.</sub> |        | F     | S    | ød   | Ammo     |
|               |              |                   |                   | Type-1            | Type-2 |       |      |      |          |
| ECQB2102□F( ) | 0.001        | 8.5               | 4.0               | 7.0               | 12.0   | 5.00  | 5.0  | 0.50 | 1000     |
| ECQB2122□F( ) | 0.0012       | 8.5               | 4.0               | 7.5               | 12.5   | 5.00  | 5.0  | 0.50 |          |
| ECQB2152□F( ) | 0.0015       | 8.5               | 4.0               | 7.5               | 12.5   | 5.00  | 5.0  | 0.50 |          |
| ECQB2182□F( ) | 0.0018       | 8.5               | 4.5               | 7.5               | 12.5   | 5.00  | 5.0  | 0.50 |          |
| ECQB2222□F( ) | 0.0022       | 8.5               | 4.5               | 7.5               | 12.5   | 5.00  | 5.0  | 0.50 |          |
| ECQB2272□F( ) | 0.0027       | 8.5               | 4.5               | 8.0               | 13.0   | 5.00  | 5.0  | 0.50 |          |
| ECQB2332□F( ) | 0.0033       | 11.0              | 4.5               | 7.5               | 12.5   | 7.50  | 5.0  | 0.60 |          |
| ECQB2392□F( ) | 0.0039       | 11.0              | 4.5               | 7.5               | 12.5   | 7.50  | 5.0  | 0.60 |          |
| ECQB2472□F( ) | 0.0047       | 11.0              | 4.5               | 8.5               | 13.5   | 7.50  | 5.0  | 0.60 |          |
| ECQB2562□F( ) | 0.0056       | 11.0              | 4.5               | 8.5               | 13.5   | 7.50  | 5.0  | 0.60 |          |
| ECQB2682□F( ) | 0.0068       | 11.0              | 4.5               | 9.0               | 14.0   | 7.50  | 5.0  | 0.60 |          |
| ECQB2822□F( ) | 0.0082       | 11.0              | 4.5               | 9.0               | 14.0   | 7.50  | 5.0  | 0.60 |          |
| ECQB2103□F( ) | 0.01         | 11.0              | 4.5               | 10.0              | 15.0   | 7.50  | 5.0  | 0.60 |          |
| ECQB2123□F( ) | 0.012        | 11.0              | 5.0               | 10.5              | 15.5   | 7.50  | 5.0  | 0.60 |          |
| ECQB2153□F( ) | 0.015        | 11.0              | 5.5               | 10.5              | 15.5   | 7.50  | 5.0  | 0.60 |          |
| ECQB2183□F( ) | 0.018        | 11.0              | 5.5               | 10.0              | 15.0   | 7.50  | 5.0  | 0.60 |          |
| ECQB2223□F( ) | 0.022        | 11.0              | 6.0               | 10.5              | 15.5   | 7.50  | 5.0  | 0.60 | 500      |
| ECQB2273□F( ) | 0.027        | 11.0              | 6.5               | 11.5              | 16.5   | 7.50  | 5.0  | 0.60 |          |
| ECQB2333□F( ) | 0.033        | 11.0              | 7.0               | 12.0              | 17.0   | 7.50  | 5.0  | 0.60 | 800      |
| ECQB2393□F( ) | 0.039        | 13.5              | 5.0               | 12.5              | 17.5   | 10.00 | 7.5  | 0.60 |          |
| ECQB2473□F( ) | 0.047        | 13.5              | 5.5               | 13.0              | 18.0   | 10.00 | 7.5  | 0.60 | 500      |
| ECQB2563□F( ) | 0.056        | 13.5              | 6.0               | 13.5              | 18.5   | 10.00 | 7.5  | 0.60 |          |
| ECQB2683□F( ) | 0.068        | 16.0              | 5.5               | 13.0              | 18.0   | 12.50 | 10.0 | 0.60 |          |
| ECQB2823□F( ) | 0.082        | 16.0              | 6.0               | 13.5              | 18.5   | 12.50 | 10.0 | 0.60 |          |
| ECQB2104□F( ) | 0.1          | 16.0              | 7.0               | 14.5              | 19.5   | 12.50 | 10.0 | 0.60 |          |
| ECQB2124□F( ) | 0.12         | 19.0              | 6.5               | 16.0              | 21.0   | 15.00 | 12.5 | 0.60 |          |
| ECQB2154□F( ) | 0.15         | 19.0              | 7.5               | 17.0              | 22.0   | 15.00 | 12.5 | 0.60 |          |
| ECQB2184□F( ) | 0.18         | 19.0              | 8.0               | 17.5              | 22.5   | 15.00 | 12.5 | 0.60 |          |
| ECQB2224□F( ) | 0.22         | 19.0              | 9.0               | 18.5              | 23.5   | 15.00 | 12.5 | 0.60 | 400      |
| ECQB2274□F( ) | 0.27         | 24.0              | 8.0               | 17.5              | 22.5   | 20.00 | 15.0 | 0.80 |          |
| ECQB2334□F( ) | 0.33         | 24.0              | 9.0               | 18.5              | 23.5   | 20.00 | 15.0 | 0.80 | 300      |
| ECQB2394□F( ) | 0.39         | 24.0              | 10.0              | 19.5              | 24.5   | 20.00 | 15.0 | 0.80 |          |
| ECQB2474□F( ) | 0.47         | 24.0              | 11.5              | 20.5              | 25.5   | 20.00 | 15.0 | 0.80 |          |

└─ Suffix for lead crimped or taped type  
 └─ Cap. tol. code

StyleN:0.001 to 0.0027 μF  
 StyleT:0.0033 to 0.47 μF