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### Polyester Film Capacitor

Type: **ECQB(F)**

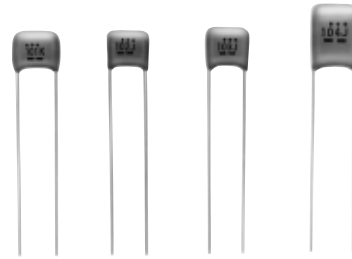
Designed for high density insertion applications

#### ■ Features

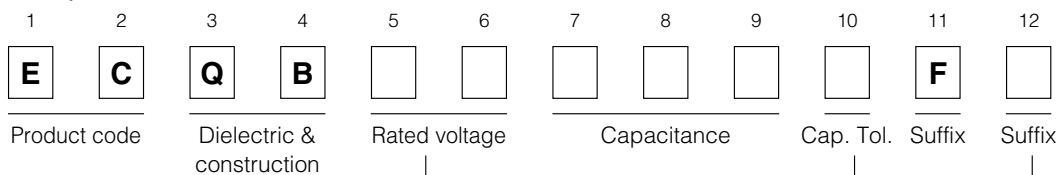
- Small in size
- Excellent electric characteristics in non-inductive construction
- RoHS directive compliant

#### ■ Recommended Applications

- General purpose



#### ■ Explanation of Part Numbers

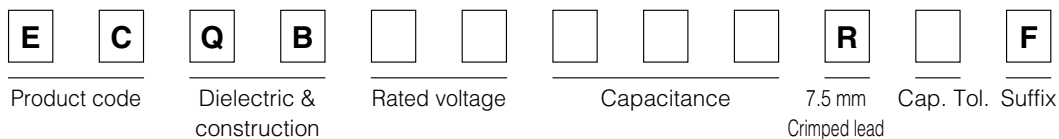


|        |        |         |         |
|--------|--------|---------|---------|
| 50 VDC | 63 VDC | 100 VDC | 200 VDC |
| 1H     | 1J     | 1       | 2       |

|      |       |
|------|-------|
| ±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

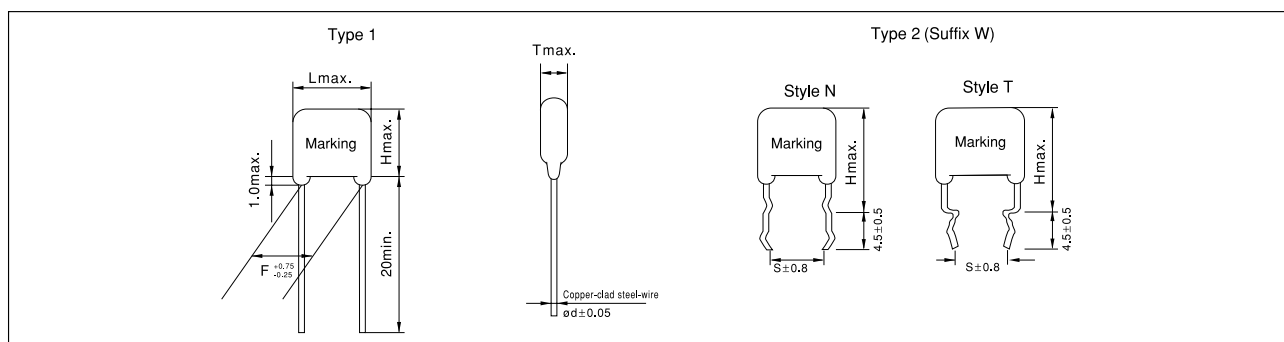


#### ■ Specifications

|  |  |
|--|--|
| Category temp. range<br>(Including temperature-rise on unit surface) | -40 °C to +105 °C  |
| Rated voltage  | 50 VDC, 63 VDC, 100 VDC, 200 VDC<br>(Derating of rated voltage by 2.5 %/°C at more than 85 °C)   |
| Capacitance range  | 0.00010 μF to 0.47 μF  |
| Capacitance tolerance  | ±5 % (J), ±10 % (K) (0.00010 μF to 0.00039 μF/50 V, 63 VDC : ±10 % only)   |
| Dissipation factor (tan δ)   | tan δ ≤ 0.8 % (ECQB(F)100 VDC : tan δ ≤ 1.0 %) (20 °C, 1 kHz)  |
| Withstand voltage  | Between terminals : Rated voltage(VDC) × 250 % 1 s to 5 s  |
| Insulation resistance (IR)   | $C \leq 0.33 \mu\text{F} : IR \geq 30000 \text{ M}\Omega$ (20 °C, 50 VDC, 60 s : ECQB1H(F), ECQB1J(F))<br>$C > 0.33 \mu\text{F} : IR \geq 10000 \text{ M}\Omega \cdot \mu\text{F}$ (20 °C, 100 VDC, 60 s : ECQB1(F), ECQB2(F)) |

\* In case of applying voltage in alternating current (50 Hz or 60 Hz sine wave) to a capacitor with DC rated voltage, please refer to the page of "Permissible voltage (R.M.S) in alternating current corresponding to DC rated voltage".

#### ■ Dimensions in mm (not to scale)

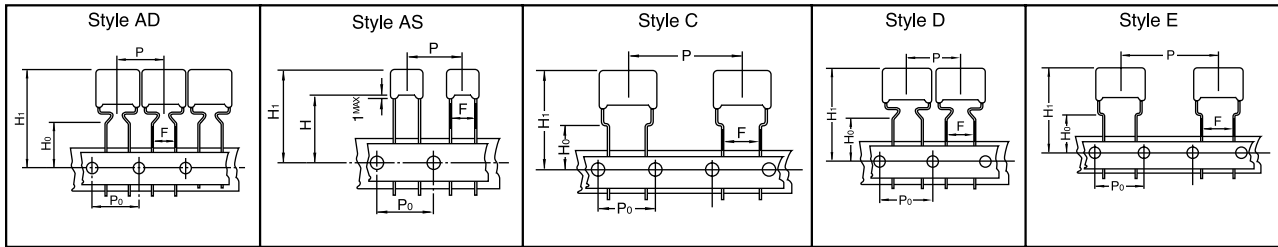


### ■Packaging Specifications for Bulk Package

Packing quantity : 100 pcs./bag

### ■Taping Specifications for Automatic Insertion

#### ●Taping style



※ Refer to the page of taping specifications.

#### ●Packaging Specifications

| Type     | Rated volt. | Cap.range (μF)   | Taping Style |    |   |   |   | Packing |      |
|----------|-------------|------------------|--------------|----|---|---|---|---------|------|
|          |             |                  | AD           | AS | B | C | D |         | E    |
| ECQB (F) | 50 VDC      | 0.00010 to 0.22  | ○            |    |   |   |   |         | Ammo |
|          |             | 0.00010 to 0.10  |              | ○  |   |   |   |         | Ammo |
|          |             | 0.00010 to 0.22  | ○            |    |   |   |   |         | Reel |
|          |             | 0.00010 to 0.10  |              | ○  |   |   |   |         | Reel |
|          | 63 VDC      | 0.00010 to 0.033 | ○            | ○  |   |   |   |         | Ammo |
|          |             | 0.00010 to 0.033 | ○            | ○  |   |   |   |         | Reel |
|          | 100 VDC     | 0.00010 to 0.12  | ○            |    |   |   |   |         | Ammo |
|          |             | 0.00010 to 0.047 |              | ○  |   |   |   |         | Ammo |
|          |             | 0.00010 to 0.10  | ○            |    |   |   |   |         | Reel |
|          |             | 0.00010 to 0.047 |              | ○  |   |   |   |         | Reel |
|          | 200 VDC     | 0.15 to 0.47     |              |    |   | ○ |   |         | Ammo |
|          |             | 0.0010 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 Spacing |
|-------|--------------|
| AD    | 5.0 mm       |
| AS    | 5.0 mm       |
| C     | 5.0 mm       |
| D     | 7.5 mm       |
| E     | 7.5 mm       |

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

■ Rating, Dimensions & Quantity/Ammo Box & Reel

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

Only ±10 %(K) is available from 0.00010 μF to 0.00039 μF

| 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( )  | 0.00010      | 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( ) | 0.0010       | 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( ) | 0.010        | 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 |          |      |
| 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( ) | 0.10         | 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 |          |      |
| 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

Style N: 0.00010 μF to 0.10 μF  
 Style T: 0.12 μF to 0.47 μF

■ Rating, Dimensions & Quantity/Ammo Box & Reel

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

Only ±10 %(K) is available from 0.00010 μF to 0.00039 μF

| 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 | Type 2 |      |          |      |      |
| ECQB1J101KF( )  | 0.00010      | 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( ) | 0.0010       | 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( ) | 0.010        | 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

Style N: 0.00010 μF to 0.033 μF

■ Rating, Dimensions & Quantity/Ammo Box & Reel

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

Only ±10 % (K) is available from 0.00010 μF to 0.00039 μF

| 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 |       |     |      |          |      |
| ECQB1101KF( ) | 0.00010      | 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( ) | 0.0010       | 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( ) | 0.010        | 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 |          |      |
| 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               | 11.2              | 16.2   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1473□F( ) | 0.047        | 7.5               | 6.5               | 11.8              | 16.8   | 5.00  | 5.0 | 0.50 |          |      |
| ECQB1563□F( ) | 0.056        | 10.0              | 5.0               | 12.0              | 17.0   | 7.50  | 5.0 | 0.60 |          |      |
| ECQB1683□F( ) | 0.068        | 10.0              | 5.5               | 12.4              | 17.4   | 7.50  | 5.0 | 0.60 |          |      |
| ECQB1823□F( ) | 0.082        | 10.0              | 5.5               | 14.0              | 19.0   | 7.50  | 5.0 | 0.60 |          |      |
| ECQB1104□F( ) | 0.10         | 10.5              | 6.0               | 14.6              | 19.6   | 7.50  | 5.0 | 0.60 |          |      |
| ECQB1124□F( ) | 0.12         | 10.5              | 7.0               | 15.2              | 20.2   | 7.50  | 5.0 | 0.60 |          |      |
| ECQB1154□F( ) | 0.15         | 13.0              | 7.0               | 13.8              | 18.8   | 10.00 | 5.0 | 0.60 |          |      |
| ECQB1184□F( ) | 0.18         | 13.0              | 7.5               | 14.4              | 19.4   | 10.00 | 5.0 | 0.60 |          |      |
| ECQB1224□F( ) | 0.22         | 13.0              | 8.0               | 15.2              | 20.2   | 10.00 | 5.0 | 0.60 |          |      |
| ECQB1274□F( ) | 0.27         | 13.0              | 8.5               | 17.2              | 22.2   | 10.00 | 5.0 | 0.60 |          |      |
| ECQB1334□F( ) | 0.33         | 13.0              | 9.0               | 18.0              | 23.0   | 10.00 | 5.0 | 0.60 |          |      |
| ECQB1394□F( ) | 0.39         | 13.0              | 10.5              | 19.0              | 24.0   | 10.00 | 5.0 | 0.60 |          |      |
| ECQB1474□F( ) | 0.47         | 13.0              | 11.5              | 19.2              | 24.2   | 10.00 | 5.0 | 0.60 |          |      |

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

Style N: 0.00010 μF to 0.047 μF  
 Style T: 0.056 μF to 0.47 μF

■ Rating, Dimensions & Quantity/Ammo Box & Reel

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

| Part No.      | Cap.<br>( $\mu$ F) | Dimensions (mm)   |                   |                   |        |        |        |          | Quantity |
|---------------|--------------------|-------------------|-------------------|-------------------|--------|--------|--------|----------|----------|
|               |                    | L <sub>max.</sub> | T <sub>max.</sub> | H <sub>max.</sub> |        | F      | S      | $\phi$ d | Ammo     |
|               |                    |                   |                   | Type 1            | Type 2 | Type 1 | Type 2 |          |          |
| ECQB2102□F( ) | 0.0010             | 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( ) | 0.010              | 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     |          |
| 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     |          |
| 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     |          |
| 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( ) | 0.10               | 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     |          |
| 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     |          |
| 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

Style N: 0.0010  $\mu$ F to 0.0027  $\mu$ F  
 Style T: 0.0033  $\mu$ F to 0.47  $\mu$ F