

Metallized Polyester Film Capacitor

Type: **ECQUY [Class Y]**

In accordance with UL/CSA and European safety regulations class Y

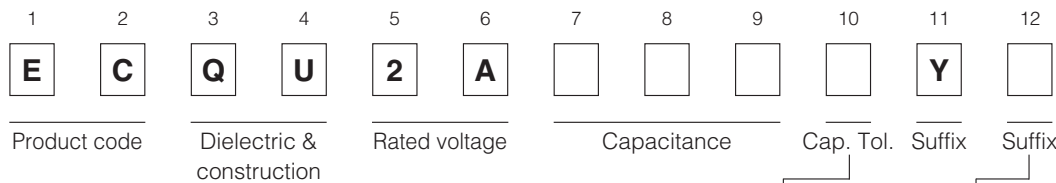
■ Features

- Compact
- Overvoltage stress withstanding
- Flame-retardant epoxy resin coating
- RoHS directive compliant

■ Recommended Applications

- Interference suppressors

■ Explanation of Part Numbers



| | |
|---|-------|
| K | ±10 % |
| M | ±20 % |

| Suffix | Lead Form |
|--------|--------------|
| Blank | Straight |
| B | Crimped lead |
| Z | Cut lead |

■ Applicable Standard & Approval Number

| | | |
|-------|-----------------------------|----------------------------------------------------------------------------|
| UL | UL 1414 | Across-The-Line Capacitors Antenna-Coupling and Line-By-Pass Components |
| CSA | CAN/CSA E60384-14 | Class Y3/X2 |
| SEMKO | IEC 60384-14 EN 60384-14 | Class Y3/X2 |
| DEMKO | | |
| NEMKO | | |
| FIMKO | | |
| VDE | | |
| SEV | | |

*When applying this capacitor to European and American safety standards, please use type designation and rating such as ECO-UY, 0.01 μF".

*Approval number (File No.) of safety regulations are subject to revision without notice. Ask factory for a copy of the latest file No.

■ Specifications

| | |
|----------------------------|--------------------------------------------------------------------------------------|
| Category temp. range | -40 °C to +100 °C (+85 °C max. on UL spec.) |
| Rated voltage | 250 VAC |
| Capacitance range | 0.0010 μF to 0.047 μF (E12) |
| Capacitance tolerance | ±10 % (K), ±20 % (M) |
| Dissipation factor (tanδ) | tanδ ≤ 1.0 % (20°C, 1kHz) |
| Withstand voltage | Between terminals : 2000 VAC, 60 s Between terminals to enclosure : 2000 VAC 60 s |
| Insulation resistance (IR) | IR ≥ 15000 MΩ (20 °C, 100 VDC, 60 s), IR ≥ 2000 MΩ (20 °C, 500 VDC, 60 s) |

* Use of this capacitor is limited to AC voltage (50 Hz or 60 Hz sine wave).

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.

■Dimensions in mm (not to scale)

| STYLE | A side | B side |
|------------------------------|--------------------------------------------|--------------------------------------------|
| 1 (0.0010 µF to 0.022 µF) | .001 µF K 250 V~ Y3/X2 ECQ-UY | 40/100/21 132400 GMF MKT |
| 2 (0.027 µF to 0.047 µF) | 40/100/21 132400 GMF MKT | Date code |

■Packaging Specifications for Bulk Package

Packing quantity: 100 pcs./bag

■Rating & Dimensions

● Capacitance tolerance : ±10 % (K), ±20 % (M)

| Part No. | Cap. (µF) | Dimensions (mm) | | | | | | |
|-----------------|-----------|-----------------|-------|-------------------|--------------|------|------|------|
| | | Lmax. | Tmax. | H ^{max.} | | F | S | ød |
| | | | | Straight | Crimped lead | | | |
| ECQU2A102 □Y() | 0.0010 | 12.0 | 6.0 | 11.5 | 16.5 | 10.0 | 7.5 | 0.60 |
| ECQU2A122 □Y() | 0.0012 | 12.0 | 6.0 | 11.5 | 16.5 | 10.0 | 7.5 | 0.60 |
| ECQU2A152 □Y() | 0.0015 | 12.0 | 6.5 | 11.5 | 16.5 | 10.0 | 7.5 | 0.60 |
| ECQU2A182 □Y() | 0.0018 | 12.0 | 6.5 | 11.5 | 16.5 | 10.0 | 7.5 | 0.60 |
| ECQU2A222 □Y() | 0.0022 | 12.0 | 6.5 | 11.5 | 16.5 | 10.0 | 7.5 | 0.60 |
| ECQU2A272 □Y() | 0.0027 | 12.0 | 6.5 | 11.5 | 16.5 | 10.0 | 7.5 | 0.60 |
| ECQU2A332 □Y() | 0.0033 | 12.0 | 7.0 | 12.0 | 17.0 | 10.0 | 7.5 | 0.60 |
| ECQU2A392 □Y() | 0.0039 | 12.0 | 7.0 | 12.5 | 17.5 | 10.0 | 7.5 | 0.60 |
| ECQU2A472 □Y() | 0.0047 | 12.0 | 7.5 | 13.5 | 18.5 | 10.0 | 7.5 | 0.60 |
| ECQU2A562 □Y() | 0.0056 | 12.0 | 8.5 | 14.0 | 19.0 | 10.0 | 7.5 | 0.60 |
| ECQU2A682 □Y() | 0.0068 | 18.5 | 7.5 | 13.0 | 18.0 | 15.0 | 7.5 | 0.80 |
| ECQU2A822 □Y() | 0.0082 | 18.5 | 7.5 | 13.5 | 18.5 | 15.0 | 7.5 | 0.80 |
| ECQU2A103 □Y() | 0.010 | 18.5 | 7.5 | 15.0 | 20.0 | 15.0 | 7.5 | 0.80 |
| ECQU2A123 □Y() | 0.012 | 18.5 | 8.5 | 15.5 | 20.5 | 15.0 | 7.5 | 0.80 |
| ECQU2A153 □Y() | 0.015 | 18.5 | 9.0 | 16.5 | 21.5 | 15.0 | 7.5 | 0.80 |
| ECQU2A183 □Y() | 0.018 | 18.5 | 10.0 | 17.5 | 22.5 | 15.0 | 7.5 | 0.80 |
| ECQU2A223 □Y() | 0.022 | 18.5 | 11.0 | 18.0 | 23.0 | 15.0 | 7.5 | 0.80 |
| ECQU2A273 □Y() | 0.027 | 23.5 | 9.5 | 16.5 | 21.5 | 20.0 | 15.0 | 0.80 |
| ECQU2A333 □Y() | 0.033 | 23.5 | 10.0 | 17.5 | 22.5 | 20.0 | 15.0 | 0.80 |
| ECQU2A393 □Y() | 0.039 | 23.5 | 11.0 | 18.5 | 23.5 | 20.0 | 15.0 | 0.80 |
| ECQU2A473 □Y() | 0.047 | 23.5 | 12.0 | 20.0 | 25.0 | 20.0 | 15.0 | 0.80 |

Suffix for lead crimped
 Cap. tol. code

Style D: 0.0010 µF to 0.0056 µF
 Style B: 0.0068 µF to 0.047 µF

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.