

Metallized Polypropylene Film Capacitor

Type: **ECQUA [Class X2]**

In accordance with UL/CSA and European safety regulation class X2



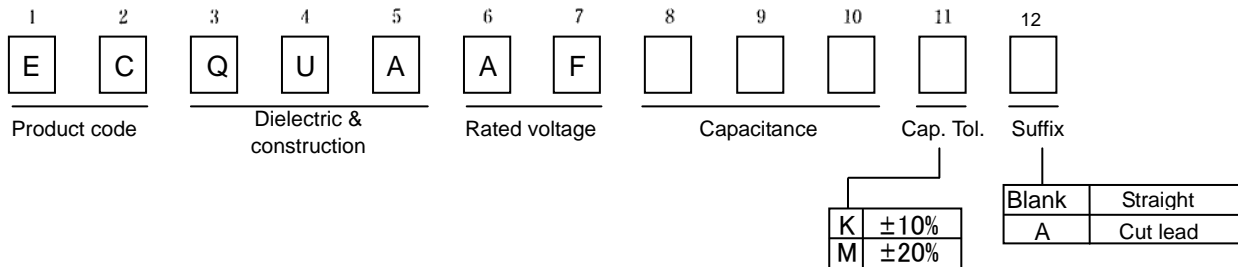
■ Features

- Compact
- Flame-retardant plastic case and non-combustible resin
- RoHS directive compliant

■ Recommended Applications

- Interference suppressors

■ Explanation of Part Numbers



■ Applicable Standard

UL	UL 60384-14	Across-The-Line Capacitors Antenna-Coupling and Line-By-Pass Components	(0.10 μF to 1.0 μF)	Accredited by UL
CSA	CAN/CSA E60384-14	Across-the-line capacitors Antenna-isolation and line-by-pass capacitors	(0.10 μF to 1.0 μF)	
Europe	EN 60384-14	Class X2	(0.10 μF to 1.0 μF)	Accredited by VDE
International	IEC 60384-14	Class X2	(0.10 μF to 1.0 μF)	

* When applying this capacitor to European and American safety standards, please use type designation and rating such as ECQUA, 0.1 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 +110 °C
Rated voltage	275 VAC
Capacitance range	0.10 to 1.0 μF
Capacitance tolerance	±10 % (K), ±20 % (M)
Dissipation factor (tan δ)	tan δ ≤ 1.0 % (20 °C, 1 kHz)
Withstand voltage	Between terminals: 633 VAC, 1183VDC 60s Between terminals to enclosure: 2050 VAC 60 s
Insulation resistance (IR)	C ≤ 0.33 μF : IR ≥ 15000 MΩ (20 °C, 100 VDC, 60 s) C > 0.33 μF : IR ≥ 5000 MΩ · μF (20 °C, 100 VDC, 60 s) C ≤ 0.47 μF : IR ≥ 2000 MΩ (20 °C, 500 VDC, 60 s)

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

■ Dimensions in mm (not to scale)

Marking Example

(A) SIDE	(B) or (C) SIDE
(M) ECQUA104 ◀ 10 275V~ X2 cRUus	□ K

Note : only $\pm 10\%$ as cap. tol. be marked as "K". Note □ Data Code.

■ Rating & Dimensions

● Capacitance tolerance : $\pm 10\%$ (K), $\pm 20\%$ (M)

Part No.	Capacitance (μF)	Dimension (mm)							Min. order Q'ty	
		L	T	H	F	ϕd	P	Q	Straight	Cut lead
ECQUAAF104□ ()	0.10	17.5	5.0	12.0	15.0	0.60	0 \pm 0.8	1.3	1000	1000
ECQUAAF154□ ()	0.15	17.5	6.0	13.0	15.0	0.60	0 \pm 0.8	1.3		
ECQUAAF224□ ()	0.22	17.5	7.5	14.0	15.0	0.60	0 \pm 0.8	1.3		
ECQUAAF334□ ()	0.33	17.5	9.0	16.0	15.0	0.60	0 \pm 0.8	1.3	600	800
ECQUAAF474□ ()	0.47	26.0	8.5	15.0	22.5	0.80	0 \pm 0.8	1.8		
ECQUAAF684□ ()	0.68	26.0	10.0	17.0	22.5	0.80	0 \pm 0.8	1.8	500	500
ECQUAAF105□ ()	1.0	26.0	12.0	19.0	22.5	0.80	0 \pm 0.8	1.8	300	300

Cap. tol. code