

Metallized Polyester Film Capacitor

Type: **ECQUG[Class X1]**

In accordance with UL/CSA and European safety regulation class X1

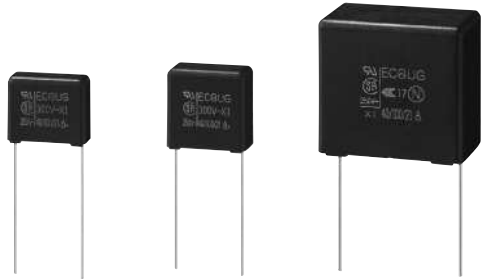
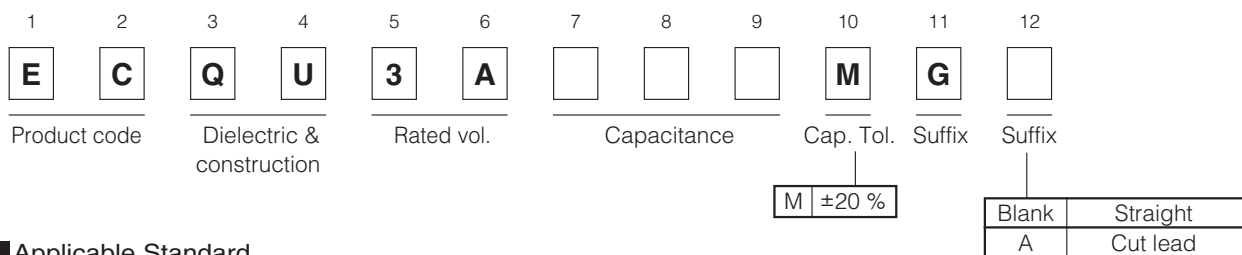
■ **Features**

- Equipped with a safety mechanism
- Flame-retardant plastic case and non combustible resin
- RoHS directive compliant

■ **Recommended Applications**

- Interference suppressors

■ **Explanation of Part Numbers**



■ **Applicable Standard**

	Approval	Class	Certification organization
UL	UL60384-14	Class X1	UL
CSA	CAN/CSA E60384-14	Class X1	CSA
Europe	EN60384-14	Class X1	NEMKO
International	IEC60384-14	Class X1	

*When applying this capacitor to European and American safety standards, please use type designation and rating such as ECQUG, 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..

*European standards marking are NEMKO only. But, there are no problem using this capacitor in a device which will get approvals from certification bodies in Europe, VDE, FIMKO, SEMKO, DEMKO, and SEV etc. except VDE and FIMKO.

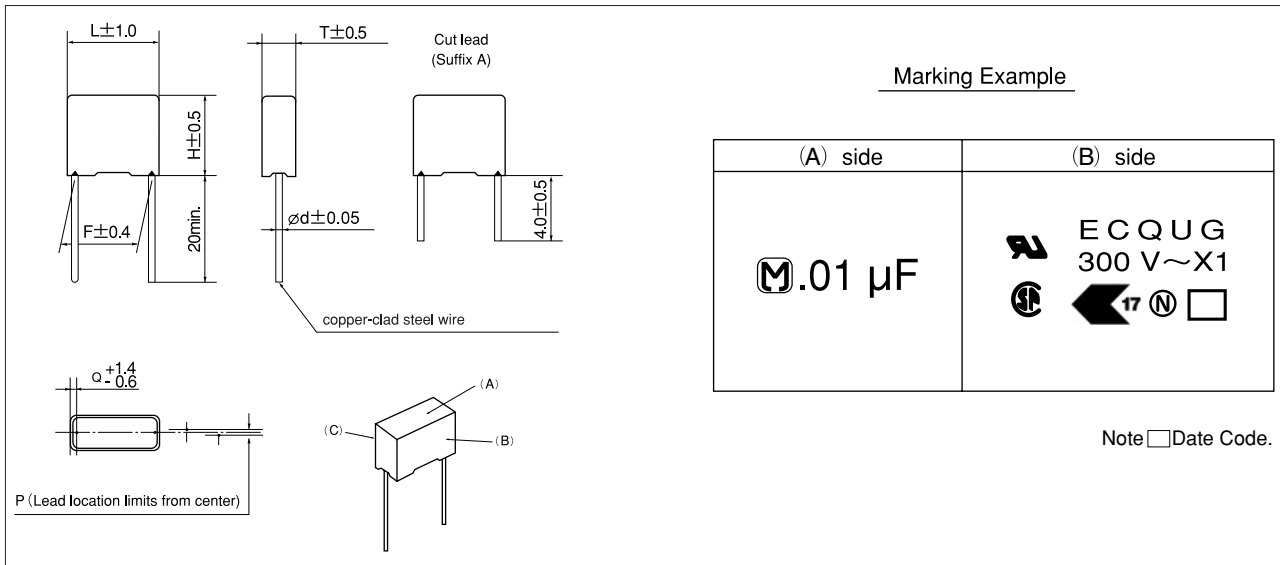
■ **Specifications**

Category temp. range	-40 °C to +100 °C
Rated voltage	300 VAC
Capacitance range	0.010 μF to 1.0 μF (E6)
Capacitance tolerance	±20 % (M)
Dissipation factor (tanδ)	tanδ ≤ 1.0 % (20 °C, 1 kHz)
Withstand voltage	Between terminals : 575 VAC, 1768 VDC, 60 s Between terminals to enclosure : 2100 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) 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)



■Rating & Dimensions

- Capacitance tolerance : $\pm 20\%$ (M)

Part No.	Cap. (μ F)	Dimensions (mm)							Min. order Qty
		L	T	H	F	ϕ d	P	Q	
ECQU3A103MG()	0.010	15.0	5.0	11.5	12.5	0.60	0 \pm 0.5	1.3	500
ECQU3A153MG()	0.015	15.0	5.0	11.5	12.5	0.60	0 \pm 0.5	1.3	
ECQU3A223MG()	0.022	15.0	5.0	11.5	12.5	0.60	0 \pm 0.5	1.3	
ECQU3A333MG()	0.033	15.0	6.0	13.0	12.5	0.60	0 \pm 0.5	1.3	
ECQU3A473MG()	0.047	15.0	6.0	13.0	12.5	0.60	0 \pm 0.5	1.3	
ECQU3A683MG()	0.068	15.0	8.0	15.0	12.5	0.60	0 \pm 0.5	1.3	
ECQU3A104MG()	0.10	15.0	8.0	15.0	12.5	0.60	0 \pm 0.5	1.3	
ECQU3A154MG()	0.15	18.0	8.0	16.5	15.0	0.80	0 \pm 0.5	1.3	
ECQU3A224MG()	0.22	18.0	9.0	17.5	15.0	0.80	0 \pm 0.5	1.3	
ECQU3A334MG()	0.33	26.0	9.0	18.5	22.5	0.80	0 \pm 0.5	1.5	
ECQU3A474MG()	0.47	26.0	10.5	20.0	22.5	0.80	0 \pm 0.75	1.5	
ECQU3A684MG()	0.68	26.0	12.5	22.0	22.5	0.80	0 \pm 0.75	1.5	
ECQU3A105MG()	1.0	27.0	16.5	25.5	22.5	0.80	0 \pm 0.75	2.2	

 Suffix for lead form
 Cap. tol. code

Interference Suppressor