

### Metallized Polyester Film Capacitor

Type: **ECQUG[Class X1]**

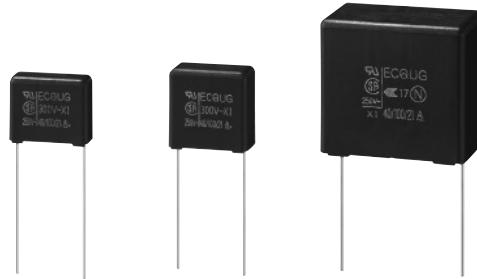
In accordance with UL/CSA and European safety regulation class X1

#### ■ Features

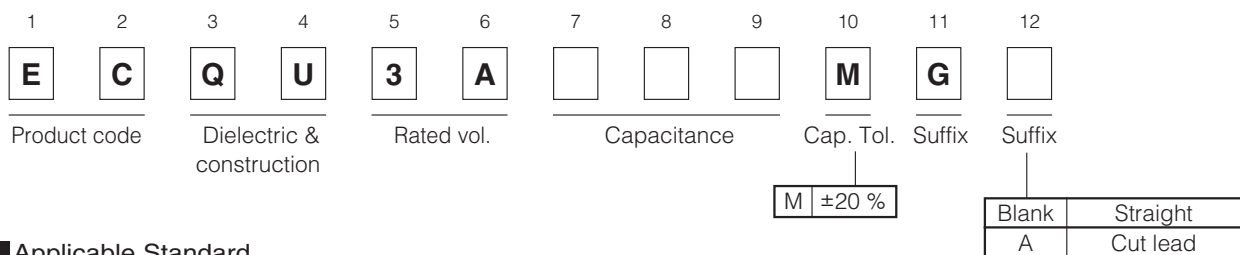
- Equipped with a safety mechanism
- Flame-retardant plastic case and non combustible resin
- RoHS directive compliant

#### ■ 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  $\mu$ F.

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

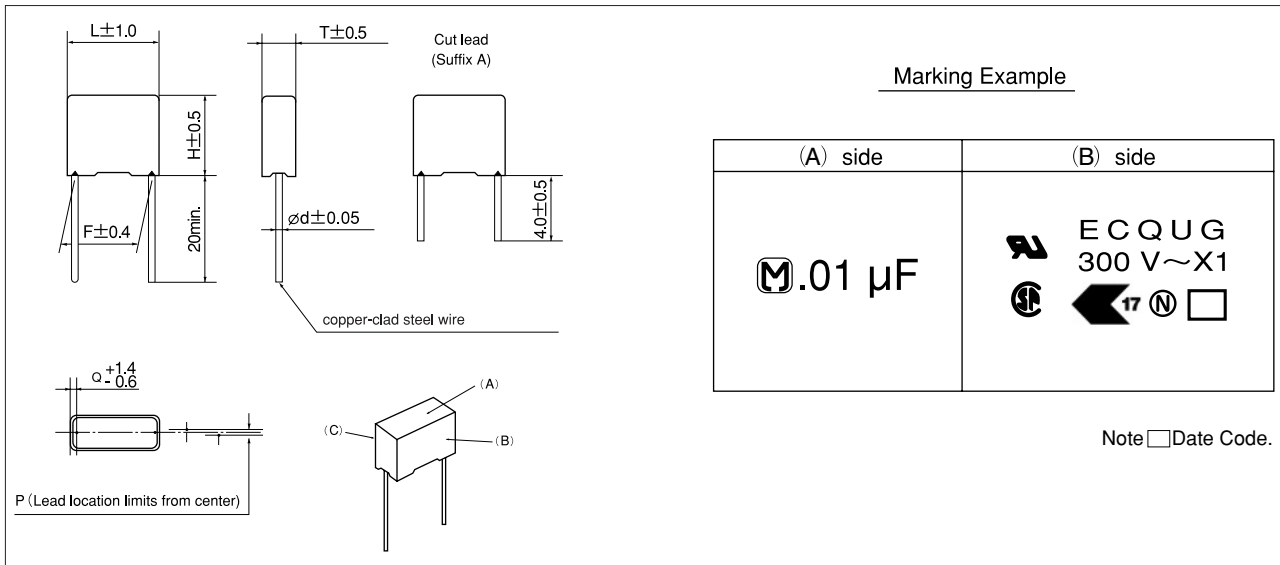
\*European standards marking are NEMKO only. But, there are no problem using this capacitor in a device which will get approvals from certification bodies in Europe, VDE, FIMKO, SEMKO, DEMKO, and SEV etc. except VDE and FIMKO.

#### ■ Specifications

Category temp. range	-40 °C to +100 °C
Rated voltage	300 VAC
Capacitance range	0.010 $\mu$ F to 1.0 $\mu$ F (E6)
Capacitance tolerance	±20 % (M)
Dissipation factor (tan $\delta$ )	tan $\delta$ $\leq$ 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 $\leq$ 0.33 $\mu$ F : IR $\geq$ 15000 M $\Omega$ (20 °C, 100 VDC, 60 s) C > 0.33 $\mu$ F : IR $\geq$ 5000 M $\Omega$ · $\mu$ F (20 °C, 100 VDC, 60 s) IR $\geq$ 2000 M $\Omega$ (20 °C, 500 VDC, 60 s)

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

### ■Dimensions in mm (not to scale)



### ■Rating & Dimensions

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

Part No.	Cap. ( $\mu$ F)	Dimensions (mm)							Min. order Qty
		L	T	H	F	$\phi$ 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	

Part No.  
 Suffix for lead form  
 Cap. tol. code

Interference Suppressor