

### Interference Suppression Capacitor Metallized Polyester

Type: **ECQUG[Class X2]**

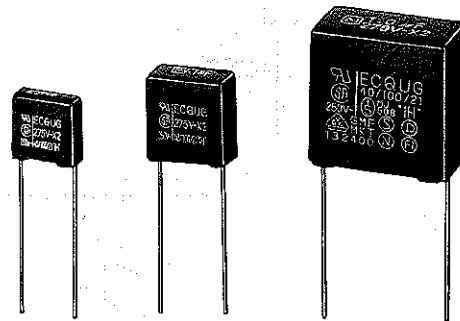
In accordance with UL/CSA and European safety regulation class X2

#### Feature

- Equipped with a safety mechanism
- Compact
- Excellent active and passive and flame resistant properties

#### Recommended Applications

- Interference suppressors



#### Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11
E	C	Q	U	2	A	1	0	4		G
Product code	Dielectric & construction			Rated vol.		Nominal capacitance		Cap. Tol.		Suffix

#### Applicable Standard & Applicabl Number

UL	UL 1414	Across-The-Line Capacitors Antenna-Coupling and Line-By-Pass Components	※
CSA	CSA C22.2 No.1-94	Across-the-line capacitors Antenna-Isolation and line-by-pass capacitors	
SEMKO	IEC 384-14, 1993 EN 132400	Class X2	※
DEMKO			
NEMKO			
FIMKO			
VDE			
SEV			

\*When applying for agency, please apply with not part code but type designation and rating such as ECQUG, 0.1 $\mu$ F.

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

#### Specifications

Reference standard	UL, CSA, SEMKO, DEMKO, NEMKO, FIMKO, VDE, SEV
Operating temp. range	-40 to +100°C (85°C max. on UL/CSA spec.)
Rated voltage	275VAC [IEC384-14], 250VAC [UL, CSA]
Capacitance range	0.01 to 1.0 $\mu$ F (E6)
Capacitance tolerance	$\pm$ 10% (K), $\pm$ 20%(M)
Dissipation factor	1.0%max. (20°C 1kHz)
Withstand voltage	Between terminals : 575VAC, 1768VDC 60s Between terminals to enclosure : 2050VAC 60s
Insulation resistance	C $\leq$ 0.33 $\mu$ F : 15000M $\Omega$ min. (20°C 100VDC 60s) C>0.33 $\mu$ F : 5000 M $\Omega$ · $\mu$ Fmin. (20°C 100VDC 60s) 2000M $\Omega$ min. (20°C 500VDC 60s)

## ■ Dimensions in mm (not to scale)

Solder-plated copper-clad steel wire

P (Lead location limits from center)

### Marking Example

STYLE	(A) side	(B) side	(C) side
1 (0.01 to 0.22μF)	M 0.01 μF K	ECQUG 275V~X2 40/100/21 Date Code	132400 MJ 508 
2 (0.33 to 1.0μF)	M 1.0 μF K 275V~ X2	ECQUG 40/100/21 275V~X2 MJ 508 132400 Date Code	/

Note : only ±10% as cap. tol. be marked as "K".

## ■ Rating & Dimensions

Part No.	Cap. (μF)	Dimensions (mm)						
		L±0.5	T±0.5	H±0.5	F	φd	P	Q±0.4
ECQU2A103□G	0.01	12.5	5.0	11.5	10.0	0.60	0±0.5	1.3
ECQU2A153□G	0.015	12.5	5.0	11.5	10.0	0.60	0±0.5	1.3
ECQU2A223□G	0.022	12.5	6.0	12.5	10.0	0.60	0±0.5	1.3
ECQU2A333□G	0.033	15.0	6.0	13.0	12.5	0.60	0±0.5	1.3
ECQU2A473□G	0.047	15.0	6.0	13.0	12.5	0.60	0±0.5	1.3
ECQU2A683□G	0.068	15.0	8.0	15.0	12.5	0.60	0±0.5	1.3
ECQU2A104□G	0.1	15.0	8.0	15.0	12.5	0.60	0±0.5	1.3
ECQU2A154□G	0.15	17.5	8.0	16.5	15.0	0.80	0±0.5	1.3
ECQU2A224□G	0.22	17.5	9.0	17.5	15.0	0.80	0±0.5	1.3
ECQU2A334□G	0.33	25.5	9.0	18.5	22.5	0.80	0±0.5	1.5
ECQU2A474□G	0.47	25.5	10.5	20.0	22.5	0.80	0±0.75	1.5
ECQU2A684□G	0.68	25.5	12.5	22.0	22.5	0.80	0±0.75	1.5
ECQU2A105□G	1.0	25.5	15.5	24.5	22.5	0.80	0±0.75	1.5

Cap.tol.code (K, M)