



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

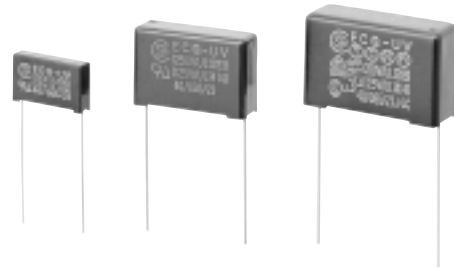
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



### Interference Suppression Capacitor Metallized Polyester

Type: **ECQUV [Class X2]**

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



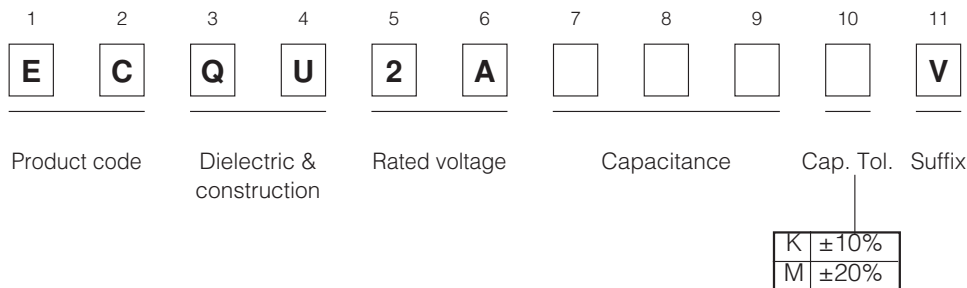
#### ■ Features

- Compact
- Overvoltage stress withstanding
- Flame-retardant plastic case and non combustible resin

#### ■ Recommended Applications

- Interference suppressors

#### ■ Explanation of Part Numbers



#### ■ Applicable Standard & Approval Number

UL	UL 1414	Across-The-Line Capacitors Antenna-Coupling and Line-By-Pass Components	File No. E62674	
	UL 1283	Electromagnetic Interference Filters	File No. E79502	
CSA	CSA C22.2 No.0, No.1	Across-the-line , Antenna-Isolation and line-by-pass capacitor	File No. LR35752	
		Class X2 (0.001 to 1.0μF)	Class Y2 (0.001 to 0.0068μF)	
SEMKO	IEC 384-14, 1993	Reg.No. 9642002/01-02	Reg.No. 9642002/01-02	
DEMKO		Ref.No. 304897	Ref.No. 304897	
NEMKO		Ref.No. P96102878	Ref.No. P96102878	
FIMKO		EN 132400	Reg.No. 192438-01...02	Reg.No. 192438-01...02
VDE		File No. 4811. 6-4670-8101	File No. 4811. 6-4670-8102	
SEV		Ref.No. 95, 7 71017, 02	Ref.No. 95, 7 71017, 03	

※ When applying for the agency, please apply with not part cord but type designation and rating such as “ECQ-UV,0.1 μF”.

#### ■ Specifications

Category temp. range	-40 to +85°C
Rated voltage	250VAC (UL1414:125VAC)
Capacitance range	0.001 to 1.0μF(E12)
Capacitance tolerance	± 10%(K), ± 20%(M)
Dissipation factor	1.0%max.(20°C, 1kHz)
Withstand voltage	Between terminals : $C \leq 0.0068\mu\text{F}$ : 1500VAC, 2121VDC 60s $C > 0.0068\mu\text{F}$ : 1000VAC, 1768VDC 60s
	Between terminals to enclosure : 2000 VAC 60s
Insulation resistance	$C \leq 0.33\mu\text{F}$ : 15000MΩ min. (20°C 100 VDC 60s) $C > 0.33\mu\text{F}$ : 5000MΩ · μF min. (20°C 100 VDC 60s)
	2000MΩ min. (20°C 500VDC 60s)

### ■ Dimensions in mm (not to scale)

Type 1    Type 2  
 CASE : Either type 1 or type 2  
 Solder-plated copper-clad steel wire  
 (Tolerance of the lead exit point)

**Marking example**

STYLE	A side	B side	C side
1 0.001 to 0.0068 μF	Ⓜ .001 μF K	ECQU-UV (250V/UL 1283) (125V/UL 1414) 40/085/21	250V-X2 GPF 132400 MKT LL2 (S) (D) (N) (F)
2 0.0082 to 0.047 μF	Ⓜ .01 μF K	ECQU-UV (250V/UL 1283) (125V/UL 1414) 40/085/21	250V-X2 GPF 132400 MKT LL2 (S) (D) (N) (F)
3 0.056 to 0.22 μF	Ⓜ .056 μF K 250V- X2	ECQU-UV (250V/UL 1283) (125V/UL 1414) 40/085/21	GPF 132400 MKT LL2 (S) (D) (N) (F)
4 0.27 to 1.0 μF	Ⓜ .27 μF K 250V- X2	ECQU-UV (250V/UL 1283) (125V/UL 1414) 40/085/21 LL2	(S) (D) (N) (F) 132400 MKT (250V/UL 1283) (125V/UL 1414) LL2 □ Date code

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

### ■ Rating & Dimensions

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

Part No.	Cap. (μF)	Dimensions (mm)						
		L±0.5	T±0.5	H±0.5	F	ød	P	Q <sup>+1.4</sup> <sub>-0.6</sub>
ECQU2A102□V	0.001	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A122□V	0.0012	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A152□V	0.0015	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A182□V	0.0018	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A222□V	0.0022	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A272□V	0.0027	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A332□V	0.0033	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A392□V	0.0039	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A472□V	0.0047	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A562□V	0.0056	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A682□V	0.0068	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A822□V	0.0082	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A103□V	0.01	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A123□V	0.012	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A153□V	0.015	17.5	4.0	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A183□V	0.018	17.5	4.5	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A223□V	0.022	17.5	4.5	10.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A273□V	0.027	17.5	4.5	13.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A333□V	0.033	17.5	4.5	13.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A393□V	0.039	17.5	5.5	12.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A473□V	0.047	17.5	5.5	12.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A563□V	0.056	17.5	7.0	14.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A683□V	0.068	17.5	7.0	14.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A823□V	0.082	17.5	8.0	15.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A104□V	0.1	17.5	8.0	15.0	15.0	0.80	0 ± 0.5	1.3
ECQU2A124□V	0.12	25.5	6.5	16.5	22.5	0.80	0 ± 0.5	1.5
ECQU2A154□V	0.15	25.5	6.5	16.5	22.5	0.80	0 ± 0.5	1.5
ECQU2A184□V	0.18	25.5	8.5	17.0	22.5	0.80	0 ± 0.5	1.5
ECQU2A224□V	0.22	25.5	8.5	17.0	22.5	0.80	0 ± 0.5	1.5
ECQU2A274□V	0.27	30.5	10.0	18.0	27.5	0.80	0 ± 0.75	1.5
ECQU2A334□V	0.33	30.5	10.0	18.0	27.5	0.80	0 ± 0.75	1.5
ECQU2A394□V	0.39	30.5	12.0	20.0	27.5	0.80	0 ± 0.75	1.5
ECQU2A474□V	0.47	30.5	12.0	20.0	27.5	0.80	0 ± 0.75	1.5
ECQU2A564□V	0.56	30.5	13.5	23.5	27.5	0.80	0 ± 0.75	1.5
ECQU2A684□V	0.68	30.5	13.5	23.5	27.5	0.80	0 ± 0.75	1.5
ECQU2A824□V	0.82	30.5	16.5	26.5	27.5	0.80	0 ± 0.75	1.5
ECQU2A105□V	1.0	30.5	16.5	26.5	27.5	0.80	0 ± 0.75	1.5

□ Cap. tol. code

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.