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Panasonic

Plastic Film Capacitors

Interference Suppression Capacitor Metallized Polyester/Polypropylene

Type: **ECQUN [Class X2]**

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



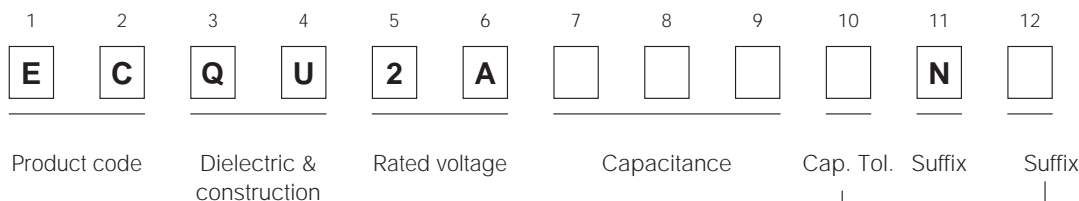
■ Features

- ◆ Compact
- ◆ Overvoltage stress withstanding
- ◆ Flame-retardant epoxy resin coating

■ Recommended Applications

- ◆ Interference suppressors

■ Explanation of Part Numbers



K	±10%
M	±20%

Blank	Type1	Straight
B	Type2	Crimped lead

■ Applicable Standard & Approval Number

UL	UL 1414	Across-The-Line Capacitors Antenna-Coupling and Line-By-Pass Components	File No. E62674
CSA	CSA C22.2 No.0, No.1	Across-the-line, antenna-isolation and line-by-pass capacitor	File No. LR35752
SEMKO	IEC 384-14, 1993 EN 132400	Class X2	Reg.No. 9542169 01
DEMKO			Ref.No. 304890
NEMKO			Ref.No. P95104265
FIMKO			Reg.No. 187541-01
VDE			File No. 4811. 6-4670-7092
SEV			Ref.No. 95,6 60092,01

✕ When applying for the agency, please apply with not part cord but type designation and rating such as "ECQ-UN,0.1 μF".

■ Specifications

Category temp. range	-40 to +85°C
Rated voltage	250VAC
Capacitance range	0.001 to 0.02 μF (E12)
Capacitance tolerance	± 10%(K), ± 20%(M)
Dissipation factor	1.0%max.(20°C, 1kHz)
Withstand voltage	Between terminals : 1250 VAC 60s, 1075 VDC 60s Between terminals to enclosure : 2000 VAC 60s
Insulation resistance	15000MΩ min.(20°C 100VDC 60s), 2000MΩ min.(20°C 500VDC 60s)

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■ Dimensions in mm (not to scale)

STYLE	A side	B side
1 (0.001 to 0.039µF)	.001µF K 40/085/21 250V- X2 ECQ-UN □	LL2 GPF MKT 132400 S D N F
2 (0.047 to 0.82µF)	.047µF K 250V- 40/085/21 X2 ECQ-UN □	LL2 GPF MKT 132400 S D N F
3 (0.1 to 0.22µF)	LL2 GPF MKT 132400 .1µF K 40/085/21 250V- X2 ECQ-UN □	□ Date code

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

■ Packaging Specifications for Bulk Package

Packing quantity: 100 pcs./bag

■ Rating & Dimensions

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

Part No.	Cap. (µF)	Dimensions (mm)									
		L _{max}	T _{max}	H _{max}		F		S		G _{max}	ød
				Type-1	Type-2	Type-1	Type-2	Type-1	Type-2		
ECQU2A102□N()	0.001	17.0	6.5	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A122□N()	0.0012	17.0	7.0	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A152□N()	0.0015	17.0	7.0	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A182□N()	0.0018	17.0	7.0	14.0	19.0	13.50	10.0	1.5	0.60		
ECQU2A222□N()	0.0022	17.0	6.5	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A272□N()	0.0027	17.0	7.0	14.0	19.0	13.50	10.0	1.5	0.60		
ECQU2A332□N()	0.0033	17.0	6.5	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A392□N()	0.0039	17.0	7.0	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A472□N()	0.0047	17.0	6.5	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A562□N()	0.0056	17.0	6.5	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A682□N()	0.0068	17.0	7.0	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A822□N()	0.0082	17.0	6.5	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A103□N()	0.01	17.0	7.0	14.0	19.0	13.50	10.0	1.5	0.60		
ECQU2A123□N()	0.012	17.0	6.5	13.5	18.5	13.50	10.0	1.5	0.60		
ECQU2A153□N()	0.015	17.0	7.0	14.0	19.0	13.50	10.0	1.5	0.60		
ECQU2A183□N()	0.018	19.0	6.5	13.5	18.5	15.50	12.5	1.5	0.60		
ECQU2A223□N()	0.022	19.0	7.0	14.0	19.0	15.50	12.5	1.5	0.60		
ECQU2A273□N()	0.027	19.0	7.5	15.0	20.0	15.50	12.5	1.5	0.60		
ECQU2A333□N()	0.033	19.0	8.0	15.5	20.5	15.50	12.5	1.5	0.60		
ECQU2A393□N()	0.039	25.5	6.5	13.5	18.5	21.50	17.5	1.5	0.60		
ECQU2A473□N()	0.047	25.5	7.0	14.0	19.0	21.50	17.5	1.5	0.60		
ECQU2A563□N()	0.056	25.5	7.5	15.0	20.0	21.50	17.5	1.5	0.60		
ECQU2A683□N()	0.068	25.5	8.5	15.5	20.5	21.50	17.5	1.5	0.60		
ECQU2A823□N()	0.082	25.5	9.0	16.5	21.5	21.50	17.5	1.5	0.80		
ECQU2A104□N()	0.1	30.5	7.5	17.0	22.0	26.50	22.5	1.5	0.80		
ECQU2A124□N()	0.12	30.5	9.0	17.5	22.5	26.50	22.5	1.5	0.80		
ECQU2A154□N()	0.15	30.5	10.0	18.5	23.5	26.50	22.5	1.5	0.80		
ECQU2A184□N()	0.18	30.5	11.0	19.0	24.0	26.50	22.5	1.5	0.80		
ECQU2A224□N()	0.22	30.5	12.0	20.0	25.0	26.50	22.5	1.5	0.80		

↑ ↑ Suffix for lead crimped or taped type
Cap. tol. code