

Interference Suppression Capacitor Metallized Polyester

Type: **ECQUL [Class X2] [Class Y2/X2]**

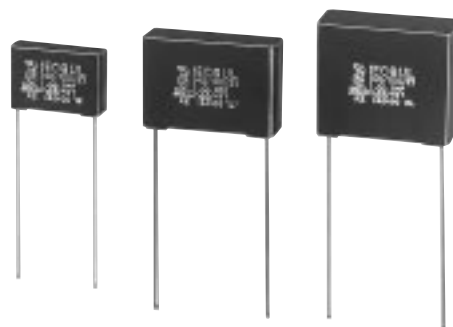
In accordance with UL/CSA and European safety regulation class X2 or class Y2/X2

■Features

- Compact
- Flame-retardant plastic case and non-combustible resin

■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					L				
Product code		Dielectric & construction		Rated voltage		Capacitance			Cap.tol.	Suffix				
									<table><tr><td>K</td><td>±10%</td></tr><tr><td>M</td><td>±20%</td></tr></table>	K	±10%	M	±20%	
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M	±20%													

■Applicable Standard

UL	UL 1414	Across-The-Line Capacitors Antenna-Coupling and Line-By-Pass Components	(0.001 to 1.0μF) (0.001 to 1.0μF)
	UL 1283	Electromagnetic Interference Filters	(1.2 to 2.2μF)
CSA	CSA C22.2 No.1-94	Across-the-line capacitors Antenna-isolation and line-by-pass capacitors	(0.001 to 1.0μF) (0.001 to 1.0μF)
	CSA C22.2 No.8-M1986	Electromagnetic Interference (EMI) Filters	(1.2 to 2.2μF)
VDE	IEC60384-14	Class Y2/X2	(0.001 to 0.0068μF)
	EN132400	Class X2	(0.0082 to 2.2μF)

*When applying for agency, please apply with not part code but type designation and rating such as ECQUL, 0.1μF.

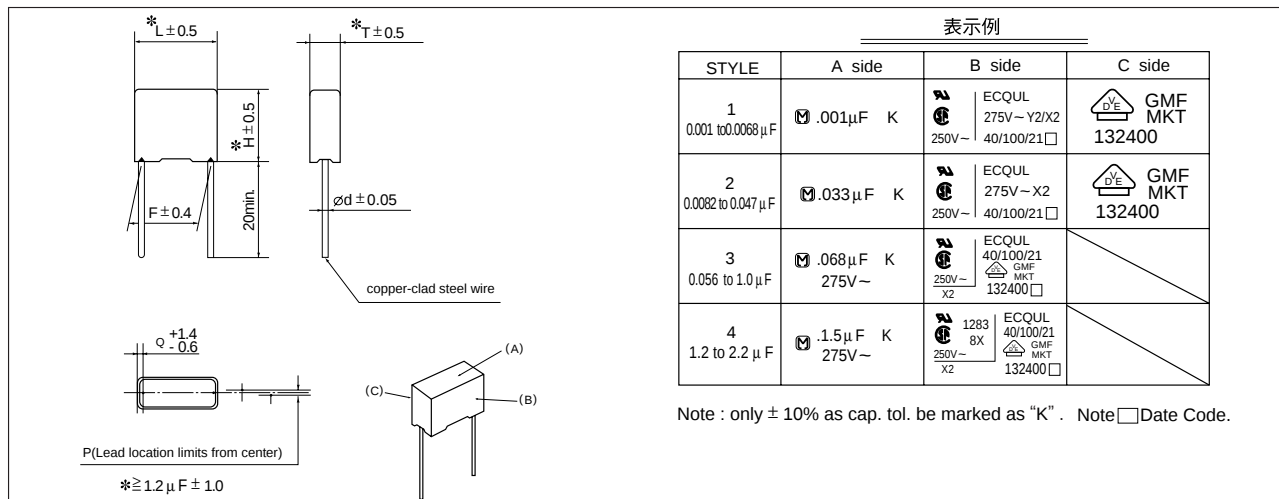
*Approval number (File No.) of safety regulations are subject to revise without notice. Ask factory for a copy of the latest file No

*This capacitor is recognized for European standards by VDE only. But, there is no problem for using this capacitor in the apparatus, which will get approvals from certification bodies in Europe, SEMKO, DEMKO, NEMKO, FIMKO and SEV etc. except VDE

■Specifications

Category temp. range	-40 to +100°C (85°Cmax.on UL/CSA spec.)
Rated voltage	275VAC (IEC384-14), 250VAC(UL/CSA)
Capacitance range	0.001 to 2.2 μF
Capacitance tolerance	±10%(K), ±20%(M)
Dissipation factor	1.0%max.(20°C, 1kHz)
Withstand voltage	Between terminals : 575VAC, 1768VDC 60s Between terminals : 1500VAC, 2121VDC 60s (0.001 to 0.0068μF) Between terminals to enclosure : 2050 VAC 60s
Insulation resistance	C≤0.33μF : 15000MΩ min. (20°C 100VDC 60s) C>0.33μF : 5000MΩ · μFmin. (20°C 100VDC 60s) 2000MΩmin (20°C 500VDC 60s)

■ Dimensions in mm (not to scale)



■ Rating & Dimensions

● Capacitance tolerance : $\pm 10\%$ (K), $\pm 20\%$ (M)

Part No.	Cap. (μF)	Dimensions (mm)						
		L	T	H	F	ϕd	P	Q
ECQU2A102□L	0.001	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A122□L	0.0012	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A152□L	0.0015	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A182□L	0.0018	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A222□L	0.0022	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A272□L	0.0027	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A332□L	0.0033	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A392□L	0.0039	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A472□L	0.0047	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A562□L	0.0056	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A682□L	0.0068	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A822□L	0.0082	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A103□L	0.01	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A123□L	0.012	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A153□L	0.015	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A183□L	0.018	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A223□L	0.022	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A273□L	0.027	15.0	5.0	11.5	12.5	0.60	0 ± 0.5	1.3
ECQU2A333□L	0.033	15.0	6.0	13.0	12.5	0.60	0 ± 0.5	1.3
ECQU2A393□L	0.039	15.0	6.0	13.0	12.5	0.60	0 ± 0.5	1.3
ECQU2A473□L	0.047	15.0	6.0	13.0	12.5	0.60	0 ± 0.5	1.3
ECQU2A563□L	0.056	17.5	4.5	11.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A683□L	0.068	17.5	4.5	11.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A823□L	0.082	17.5	5.5	12.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A104□L	0.1	17.5	5.5	12.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A124□L	0.12	17.5	6.5	14.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A154□L	0.15	17.5	6.5	14.5	15.0	0.60	0 ± 0.5	1.3
ECQU2A184□L	0.18	17.5	8.0	16.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A224□L	0.22	17.5	8.0	16.0	15.0	0.60	0 ± 0.5	1.3
ECQU2A274□L	0.27	17.5	9.5	17.5	15.0	0.80	0 ± 0.5	1.3
ECQU2A334□L	0.33	17.5	9.5	17.5	15.0	0.80	0 ± 0.5	1.3
ECQU2A394□L	0.39	25.5	8.5	17.5	22.5	0.80	0 ± 0.75	1.5
ECQU2A474□L	0.47	25.5	8.5	17.5	22.5	0.80	0 ± 0.75	1.5
ECQU2A564□L	0.56	25.5	10.5	19.5	22.5	0.80	0 ± 0.75	1.5
ECQU2A684□L	0.68	25.5	10.5	19.5	22.5	0.80	0 ± 0.75	1.5
ECQU2A824□L	0.82	25.5	12.0	22.0	22.5	0.80	0 ± 0.75	1.5
ECQU2A105□L	1.0	25.5	12.0	22.0	22.5	0.80	0 ± 0.75	1.5
ECQU2A125□L	1.2	30.5	16.5	26.0	27.5	0.80	0 ± 0.75	1.5
ECQU2A155□L	1.5	30.5	16.5	26.0	27.5	0.80	0 ± 0.75	1.5
ECQU2A185□L	1.8	30.5	19.0	29.5	27.5	0.80	0 ± 0.75	1.5
ECQU2A225□L	2.2	30.5	19.0	29.5	27.5	0.80	0 ± 0.75	1.5

Cap. tol. code