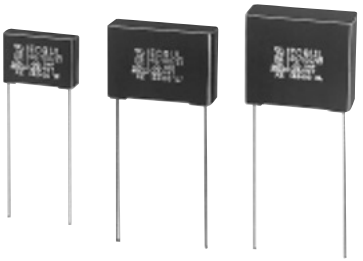
Interference Suppression Capacitor
Metallized Polyester

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

K	± 10%
M	± 20%

■Applicable Standard

UL	UL 1414	Across - The - Line Capacitors Antenna - Coupling and Line - By - Pass	(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	IEC384 - 14,1993 EN132400	Class Y2/X2 Class X2	(0.001 to 0.0068μF) (0.0082 to 2.2μF)

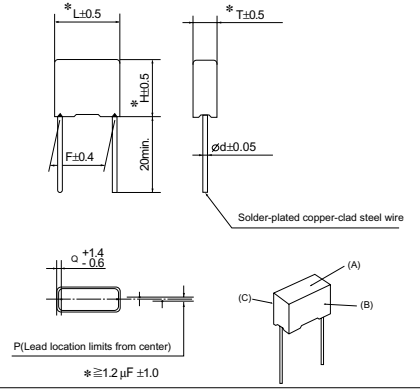
*When applying for agency,please apply not with part code but type designation and rating such as ECQUL, 0.1μF.
*Approval number (File No.) of safety regulations are subject to revision without notice. Ask factory for a copy of the latest file No
*This capacitor is recognized for European standards by VDE only. But, there is no problem with 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℃(85℃max.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℃,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℃ 100VDC 60s) C>0.33μF:5000MΩ • μFmin. (20℃ 100VDC 60s) 2000MΩmin (20℃ 500VDC 60s)

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■Dimensions in mm (not to scale)



STYLE	A side	B side	C side
1 0.001 to0.0068 µF	Ⓜ .001 µF K	ECQUL 275V~Y2/X2 40/100/21□ 250V~	GMF MKT 132400
2 0.0082 to 0.047 µF	Ⓜ .033 µF K	ECQUL 275V~X2 40/100/21□ 250V~	GMF MKT 132400
3 0.056 to 1.0 µF	Ⓜ .068 µF K 275V~	ECQUL 40/100/21 GMF MKT 132400□ 250V~ X2	
4 1.2 to 2.2 µF	Ⓜ .1.5 µF K 275V~	1283 8X ECQUL 40/100/21 GMF MKT 132400□ 250V~ X2	

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

■Rating & Dimensions

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

Part No.	Cap. (µF)	Dimensions (mm)						
		L	T	H	F	ød	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

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