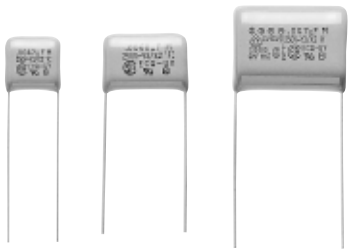
Metallized Polyester Film Capacitor

Type: ECQUY [Class Y]

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



■Features
- ●Compact
- ●Overvoltage stress withstanding
- ●Flame-retardant epoxy resin coating
- ●RoHS directive compliant

■Recommended Applications
- ●Interference suppressors

■Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	C	Q	U	2	A					Y	
Product code		Dielectric & construction		Rated voltage		Capacitance			Cap. Tol.	Suffix	Suffix

K	±10 %
M	±20 %

Suffix	Lead Form
Blank	Straight
B	Crimped lead

■Applicable Standard & Approval Number

UL	UL 1414	Across-The-Line Capacitors Antenna-Coupling and Line-By-Pass Components
CSA	CSA C22.2 No.1	Across-the-line capacitors Antenna-Isolation and line-by-pass capacitors

SEMKO	IEC 60384-14 EN 132400	Class Y3/X2
DEMKO		
NEMKO		
FIMKO		
VDE		
SEV		

❉When applying this capacitor to European and American safety standards, please use type designation and rating such as ECO-UY, 0.01 µF".

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

■Specifications

Category temp. range	−40 ℃ to + 100 ℃ (+ 85 ℃ max. on UL/CSA spec.)
Rated voltage	250 VAC
Capacitance range	0.0010 µF to 0.047 µF (E12)
Capacitance tolerance	± 10 % (K), ± 20 % (M)
Dissipation factor (tanδ)	tanδ≦1.0 % (20℃, 1kHz)
Withstand voltage	Between terminals : 2000 VDC, 60 s Between terminals to enclosure : 2000 VAC 60 s
Insulation resistance (IR)	IR≧15000 MΩ (20 ℃, 100 VDC, 60 s), IR≧2000 MΩ (20 ℃, 500 VDC, 60 s)

❉ Use of this capacitor is limited to AC voltage (50 Hz or 60 Hz sine wave).

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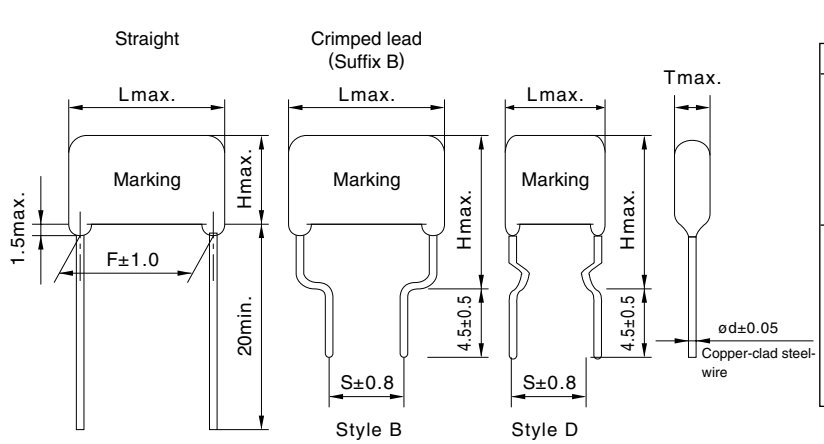
Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.

■Dimensions in mm (not to scale)



Marking example

STYLE	A side	B side
1 (0.0010 µF to 0.022 µF)	.001 µF K 250 V~ Y3/X2 □ ECQ-UY	40/100/21 132400 GMF MKT L L 2
2 (0.027 µF to 0.047 µF)	.047 µF K 250 V~Y3/X2 □ 40/100/21 ECQ-UY 132400 GMF MKT L L 2	□ Date code

■Packaging Specifications for Bulk Package

Packing quantity: 100 pcs./bag

■Rating & Dimensions

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

Part No.	Cap. (µF)	Dimensions (mm)						
		Lmax.	Tmax.	H max.		F	S	ød
				Straight	Crimped lead	Straight	Crimped lead	
ECQU2A102 □Y( )	0.0010	12.0	6.0	11.5	16.5	10.0	7.5	0.60
ECQU2A122 □Y( )	0.0012	12.0	6.0	11.5	16.5	10.0	7.5	0.60
ECQU2A152 □Y( )	0.0015	12.0	6.5	11.5	16.5	10.0	7.5	0.60
ECQU2A182 □Y( )	0.0018	12.0	6.5	11.5	16.5	10.0	7.5	0.60
ECQU2A222 □Y( )	0.0022	12.0	6.5	11.5	16.5	10.0	7.5	0.60
ECQU2A272 □Y( )	0.0027	12.0	6.5	11.5	16.5	10.0	7.5	0.60
ECQU2A332 □Y( )	0.0033	12.0	7.0	12.0	17.0	10.0	7.5	0.60
ECQU2A392 □Y( )	0.0039	12.0	7.0	12.5	17.5	10.0	7.5	0.60
ECQU2A472 □Y( )	0.0047	12.0	7.5	13.5	18.5	10.0	7.5	0.60
ECQU2A562 □Y( )	0.0056	12.0	8.5	14.0	19.0	10.0	7.5	0.60
ECQU2A682 □Y( )	0.0068	18.5	7.5	13.0	18.0	15.0	7.5	0.80
ECQU2A822 □Y( )	0.0082	18.5	7.5	13.5	18.5	15.0	7.5	0.80
ECQU2A103 □Y( )	0.010	18.5	7.5	15.0	20.0	15.0	7.5	0.80
ECQU2A123 □Y( )	0.012	18.5	8.5	15.5	20.5	15.0	7.5	0.80
ECQU2A153 □Y( )	0.015	18.5	9.0	16.5	21.5	15.0	7.5	0.80
ECQU2A183 □Y( )	0.018	18.5	10.0	17.5	22.5	15.0	7.5	0.80
ECQU2A223 □Y( )	0.022	18.5	11.0	18.0	23.0	15.0	7.5	0.80
ECQU2A273 □Y( )	0.027	23.5	9.5	16.5	21.5	20.0	15.0	0.80
ECQU2A333 □Y( )	0.033	23.5	10.0	17.5	22.5	20.0	15.0	0.80
ECQU2A393 □Y( )	0.039	23.5	11.0	18.5	23.5	20.0	15.0	0.80
ECQU2A473 □Y( )	0.047	23.5	12.0	20.0	25.0	20.0	15.0	0.80

Suffix for lead crimped
Cap. tol.code

Style D: 0.0010 µF to 0.0056 µF
Style B: 0.0068 µF to 0.047 µF

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