

Metallized Polyester Film Capacitor

Type: **ECQE(B)**

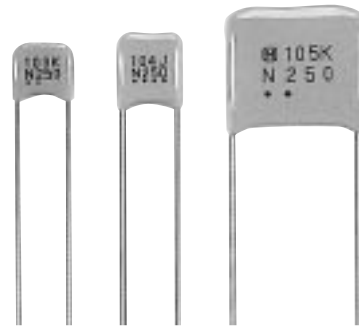
Non-inductive construction using metallized polyester film with flame retardant epoxy resin coating

■ Features

- Small size
- Excellent electrical characteristics

■ Recommended Applications

- General purpose usage
 - ※Please contact us when applications are CD I , ignitor etc.



■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12																								
E	C	Q	E							B																									
Products code		Dielectric & construction		Rated voltage		Capacitance			Cap.Tol.	Suffix	Suffix																								
				<table><tr><td>2</td><td>250VDC</td></tr><tr><td>1A</td><td>125VAC</td></tr></table>		2	250VDC	1A	125VAC	<table><tr><td>J</td><td>±5%</td></tr><tr><td>K</td><td>±10%</td></tr><tr><td>M</td><td>±20%</td></tr></table>			J	±5%	K	±10%	M	±20%		<table><tr><td>Blank</td><td>Type1</td><td>Straight</td></tr><tr><td>B</td><td>Type2</td><td>Crimped Lead</td></tr><tr><td>2</td><td>Ammo</td><td>Straight taping</td></tr><tr><td>3</td><td>Ammo</td><td>Crimped taping</td></tr><tr><td>6</td><td>Ammo</td><td>Crimped taping</td></tr></table>	Blank	Type1	Straight	B	Type2	Crimped Lead	2	Ammo	Straight taping	3	Ammo	Crimped taping	6	Ammo	Crimped taping
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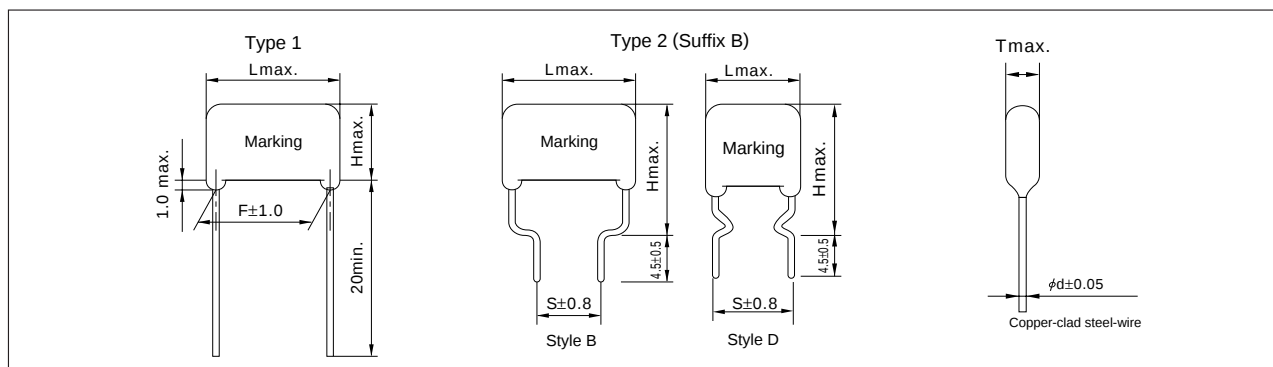
■ Explanation of Part Numbers for Odd Size Taping

E	C	Q	E						R		B
Products code		Dielectric & construction		Rated voltage		Capacitance			Suffix	Cap. Tol.	Suffix

■ Specifications

Category temp. range	-40 to +85°C(+105°C…75% of Rated voltage only 250VDC)	
Rated voltage	250VDC,125VAC	
Capacitance range	0.01 to 4.7 μF	
Capacitance tolerance	±5%(J),±10%(K), (±20%(M) only 125VAC)	
Dissipation factor	1.0 % max. (20°C 1kHz)	
Withstand voltage	Rated volt. 250VDC Between terminals : Rated vol. (VDC)×150% 60s	
	Rated volt. 125VAC Between terminals : Rated volt. (VAC)×230% 60s Between terminals to enclosure:1500 VAC 60s	
Insulation resistance	250VDC	C≤0.33μF : 9000MΩ min. (20°C 100VDC 60s) C>0.33μF : 3000MΩ · μFmin. (20°C 100VDC 60s)
	125VAC	C≤0.47μF : 2000MΩ min. (20°C 500VDC 60s) C>0.47μF : 3000MΩ · μF min. (20°C 100VDC 60s)

■Dimensions in mm(not to scale)

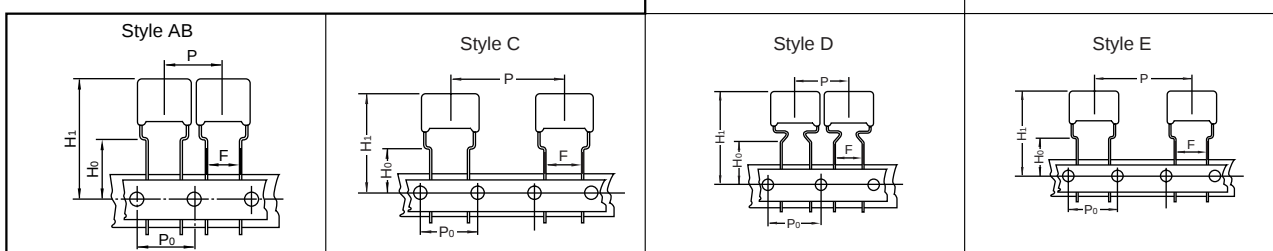


■Packaging Specifications for Bulk Package

Packing quantity : 100pcs./bag

■Taping Specifications for Automatic Insertion

●Taping style



*See page 22 for Taping dimensions

●Packaging Specifications

Type	Rated volt.	Cap.range (μF)	Taping Style							Packing
			AD	AS	AB	B	C	D	E	
ECQE (B)	250VDC	0.01 to 0.15		○						Ammo
		0.18 to 0.68	○							Ammo
		0.82 to 1.5					○			Ammo
		1.8 to 4.7							○	Ammo
	125VAC	0.01 to 0.068		○						Ammo
		0.082 to 0.22			○					Ammo
		0.27 to 1.0					○			Ammo
		0.082 to 0.68						○		Ammo
		0.82 to 2.7							○	Ammo
		1.2 to 2.7					○			Ammo

●Lead Spacing

Style	Lead Spacing
AD	5.0mm
AS	5.0mm
AB	5.0mm
C	5.0mm
D	7.5mm
E	7.5mm

*See the column "Rating, Dimensions & Quantity Box" for packing quantity.

■ Rating, Dimensions & Quantity/Ammo Box

● Rated voltage : 250VDC, Capacitance tolerance : ±5%(J), ±10%(K)

Part No.	Cap. (μF)	Dimensions (mm)							Quantity		
		L _{max.}	T _{max.}	H _{max.}		F	S	ø d	Ammo		
				Type-1	Type-2	Type-1	Type-2		Standard 5mm	Odd size 5mm	Odd size 7.5mm
ECQE2103□B()	0.01	7.9	4.2	7.1	12.1	5.0	5.0	0.50	2000	—	—
ECQE2123□B()	0.012	7.9	4.2	7.1	12.1	5.0	5.0	0.50			
ECQE2153□B()	0.015	7.9	4.2	7.1	12.1	5.0	5.0	0.50			
ECQE2183□B()	0.018	7.9	4.3	7.2	12.2	5.0	5.0	0.50			
ECQE2223□B()	0.022	7.9	4.3	7.2	12.2	5.0	5.0	0.50			
ECQE2273□B()	0.027	7.9	4.3	7.2	12.2	5.0	5.0	0.50			
ECQE2333□B()	0.033	7.9	4.3	7.2	12.2	5.0	5.0	0.50			
ECQE2393□B()	0.039	7.9	4.5	7.4	12.4	5.0	5.0	0.50	1500		
ECQE2473□B()	0.047	7.9	4.5	7.4	12.4	5.0	5.0	0.50			
ECQE2563□B()	0.056	7.9	4.7	7.7	12.7	5.0	5.0	0.50			
ECQE2683□B()	0.068	7.9	5.1	8.0	13.0	5.0	5.0	0.50			
ECQE2823□B()	0.082	7.9	5.4	8.6	13.6	5.0	5.0	0.50			
ECQE2104□B()	0.1	7.9	5.9	9.0	14.0	5.0	5.0	0.50			
ECQE2124□B()	0.12	7.9	5.7	10.6	15.6	5.0	5.0	0.50	1500		
ECQE2154□B()	0.15	7.9	6.3	11.2	16.2	5.0	5.0	0.50	1000		
ECQE2184□B()	0.18	10.3	5.0	9.7	14.7	7.5	5.0	0.50	1500		1500
ECQE2224□B()	0.22	10.3	5.4	10.1	15.1	7.5	5.0	0.50			
ECQE2274□B()	0.27	10.3	5.9	10.8	15.8	7.5	5.0	0.50	1000		1000
ECQE2334□B()	0.33	10.3	6.4	11.3	16.3	7.5	5.0	0.50			
ECQE2394□B()	0.39	12.3	5.7	10.9	15.9	10.0	5.0	0.60			
ECQE2474□B()	0.47	12.3	6.2	11.4	16.4	10.0	5.0	0.60			
ECQE2564□B()	0.56	12.3	6.7	11.9	16.9	10.0	5.0	0.60			
ECQE2684□B()	0.68	12.3	7.3	12.7	17.7	10.0	5.0	0.60			
ECQE2824□B()	0.82	15.3	6.3	13.3	18.3	12.5	5.0	0.60		—	600
ECQE2105□B()	1.0	15.3	7.0	14.0	19.0	12.5	5.0	0.60	500		400
ECQE2125□B()	1.2	15.3	7.6	14.6	19.6	12.5	5.0	0.60	400		300
ECQE2155□B()	1.5	15.3	8.6	15.7	20.7	12.5	5.0	0.60	—		400
ECQE2185□B()	1.8	20.8	7.6	14.6	19.6	17.5	10.0	0.80			
ECQE2225□B()	2.2	20.8	8.4	15.6	20.6	17.5	10.0	0.80			
ECQE2275□B()	2.7	20.8	9.3	16.7	21.7	17.5	10.0	0.80			300
ECQE2335□B()	3.3	20.8	10.5	17.9	22.9	17.5	10.0	0.80			
ECQE2395□B()	3.9	20.8	10.8	19.8	24.8	17.5	10.0	0.80			
ECQE2475□B()	4.7	20.8	11.9	21.0	26.0	17.5	10.0	0.80			

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

StyleD:0.01 to 0.68μF
 StyleB:0.82 to 4.7μF

■ Rating, Dimensions & Quantity/Ammo Box

● Rated voltage : 125VAC Capacitance tolerance : ±5%(J), ±10%(K), ±20%(M)

Part No.	Cap. (μF)	Dimensions (mm)							Quantity		
		L _{max.}	T _{max.}	H _{max.}		F	S	ø d	Ammo		
				Type-1	Type-2				Standard 5mm	Odd size 5mm	Odd size 7.5mm
ECQE1A103□B()	0.01	7.9	4.2	7.1		5.0		0.50	2000	—	—
ECQE1A123□B()	0.012	7.9	4.2	7.1		5.0		0.50			
ECQE1A153□B()	0.015	7.9	4.2	7.1		5.0		0.50			
ECQE1A183□B()	0.018	7.9	4.3	7.2		5.0		0.50			
ECQE1A223□B()	0.022	7.9	4.3	7.2		5.0		0.50			
ECQE1A273□B()	0.027	7.9	4.3	7.2		5.0		0.50			
ECQE1A333□B()	0.033	7.9	4.3	7.2		5.0		0.50			
ECQE1A393□B()	0.039	7.9	4.5	7.4		5.0		0.50			
ECQE1A473□B()	0.047	7.9	4.8	7.7		5.0		0.50			
ECQE1A563□B()	0.056	7.9	5.1	8.0		5.0		0.50			
ECQE1A683□B()	0.068	7.9	5.4	8.6		5.0		0.50	1500	—	1500
ECQE1A823□B()	0.082	10.3	5.6	7.6	12.6	7.5	7.5	0.50			
ECQE1A104□B()	0.1	10.3	5.1	7.7	12.7	7.5	7.5	0.50			
ECQE1A124□B()	0.12	10.3	5.3	8.4	13.4	7.5	7.5	0.50			
ECQE1A154□B()	0.15	10.3	5.7	8.9	13.9	7.5	7.5	0.50			
ECQE1A184□B()	0.18	10.3	5.6	10.3	15.3	7.5	7.5	0.50	1000	1000	1000
ECQE1A224□B()	0.22	10.3	6.1	11.0	16.0	7.5	7.5	0.50			
ECQE1A274□B()	0.27	12.3	5.4	10.7	15.7	10.0	7.5	0.60			
ECQE1A334□B()	0.33	12.3	5.9	11.2	16.2	10.0	7.5	0.60			
ECQE1A394□B()	0.39	12.3	6.4	11.6	16.6	10.0	7.5	0.60			
ECQE1A474□B()	0.47	12.3	7.0	12.2	17.2	10.0	7.5	0.60	—	800	900
ECQE1A564□B()	0.56	12.3	6.7	11.9	16.9	10.0	7.5	0.60			
ECQE1A684□B()	0.68	12.3	7.3	12.7	17.7	10.0	7.5	0.60			
ECQE1A824□B()	0.82	15.3	6.3	13.3	18.3	12.5	7.5	0.60			
ECQE1A105□B()	1.0	15.3	7.0	14.0	19.0	12.5	7.5	0.60			
ECQE1A125□B()	1.2	20.8	7.1	14.1	19.1	17.5	10.0	0.80			
ECQE1A155□B()	1.5	20.8	8.0	15.1	20.1	17.5	10.0	0.80			
ECQE1A185□B()	1.8	20.8	8.7	15.9	20.9	17.5	10.0	0.80			
ECQE1A225□B()	2.2	20.8	9.7	17.1	22.1	17.5	10.0	0.80			
ECQE1A275□B()	2.7	20.8	10.9	18.2	23.2	17.5	10.0	0.80			
ECQE1A335□B()	3.3	25.8	9.6	18.7	23.7	22.5	15.0	0.80	—	—	—
ECQE1A395□B()	3.9	25.8	10.6	19.7	24.7	22.5	15.0	0.80			
ECQE1A475□B()	4.7	25.8	11.8	20.8	25.8	22.5	15.0	0.80			

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

StyleD: 0.082 to 0.68μF
 StyleB: 0.82 to 4.7μF

* When using these capacitors as a across-the-line capacitor it shall be required to follow either item 1.or item2.condition.

- 1.Capacitor shall be connected in parallel with varistor which varistor voltage is less than 250V.
- 2.Voltage applied for capacitor shall not exceed other than 250V_{o-p} when using these capacitor.