

### Metallized Polyester Film Capacitor

Type: **ECQE(B)**

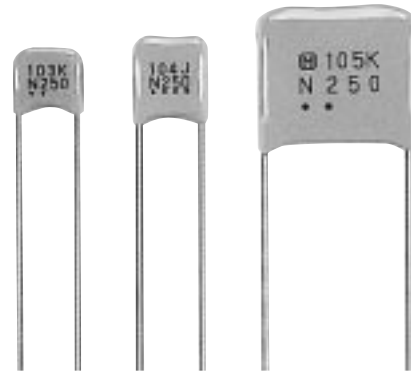
Non-inductive construction using metallized polyester film with flame retardant epoxy resin coating

#### ■Features

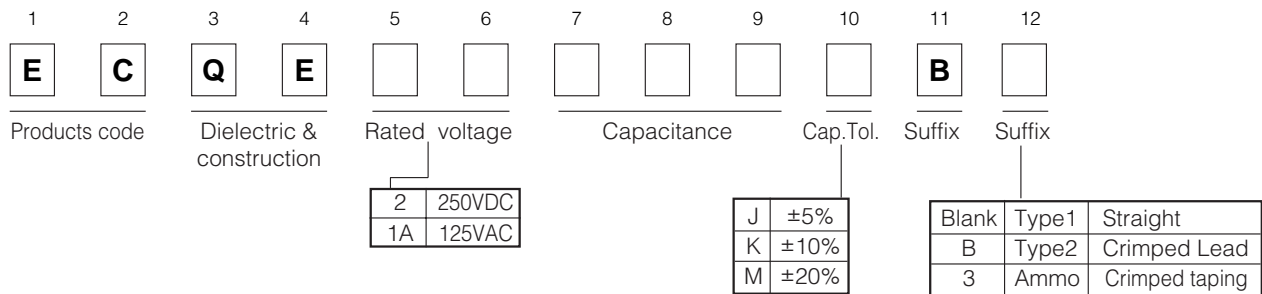
- Small size
- Excellent electrical characteristics
- Flame retardant epoxy resin coating

#### ■Recommended Applications

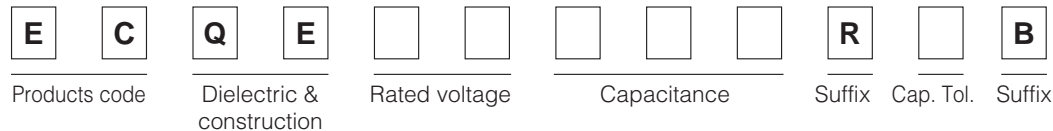
- General purpose usage
  - ※Please contact us when applications are CD I, ignitor etc.



#### ■Explanation of Part Numbers



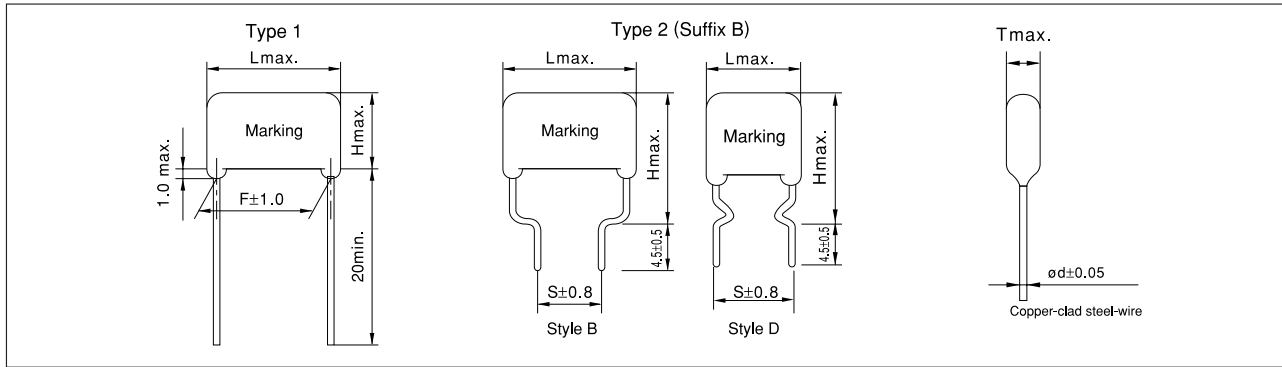
#### ■Explanation of Part Numbers for Odd Size Taping



#### ■Specifications

Category temp. range (Including temperature-rise on unit surface)	-40 to +105°C	
Rated voltage	250VDC, 125VAC (250VDC : Derating of rated voltage by 1.25%/°C at more than 85°C)	
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 vol. (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 · μF min. (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)

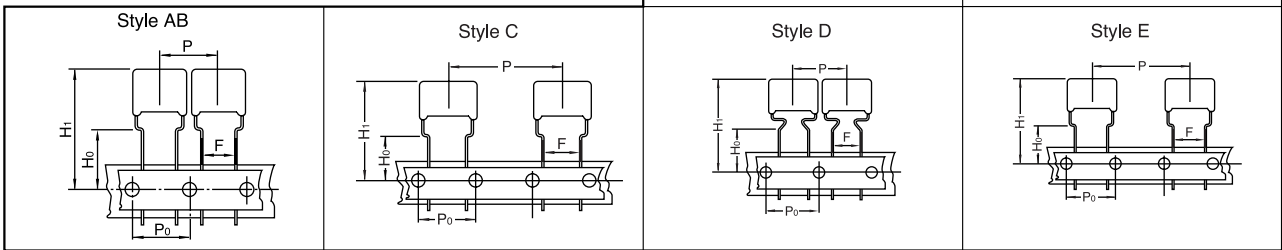


■Packaging Specifications for Bulk Package

Packing quantity : 100pcs./bag

■Taping Specifications for Automatic Insertion

●Taping style



\*Refer to the taping specification.

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

Part No.	Cap. (μF)	Dimensions (mm)							Quantity		
		L <sub>max.</sub>	T <sub>max.</sub>	H <sub>max.</sub>		F	S	ød	Ammo		
				Type - 1	Type - 2				Type - 1	Type - 2	Standard 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			
ECQE1A823□B( )	0.082	10.3	4.6	7.6	12.6	7.5	7.5	0.50	1500	—	1500
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			
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			
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

Style D: 0.082 to 0.68μF  
 Style B: 0.82 to 4.7μF

※ When using these capacitors as an across-the-line capacitor it shall be required to follow the conditions in either item 1 or 2.

1. Capacitor shall be connected in parallel with varistor which varistor voltage is less than 250V.
2. Voltage applied to capacitor shall not exceed more than 250V<sub>0-p</sub>.