

Metallized Polyester Film Capacitor

Type : **ECQE(T)**

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



Features

- Self-healing property
- Excellent electrical characteristics
- Flame retardant epoxy resin coating
- Moisture resistance 85 °C, 85 % RH for 500 hours
- RoHS directive compliant

Recommended applications

- General purpose usage
 - * Please contact us when applications are CDI , ignitor etc.

Explanation of part number

1 2 3 4 5 6 7 8 9 10 11 12

E **C** **Q** **E**

Product code Dielectric & construction

Rated voltage

2	300 V.DC	1A	125 V.AC
4	400 V.DC	2A	250 V.AC
6	630 V.DC		

Capacitance

Cap. Tol.

J	±5 %
K	±10 %

Suffix Suffix

Code	Lead Form
Blank	Straight
B	Crimped lead
Z	Cut lead
3	Crimped tapping (Ammo)
6	Crimped tapping (Ammo)

- Odd size taping

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

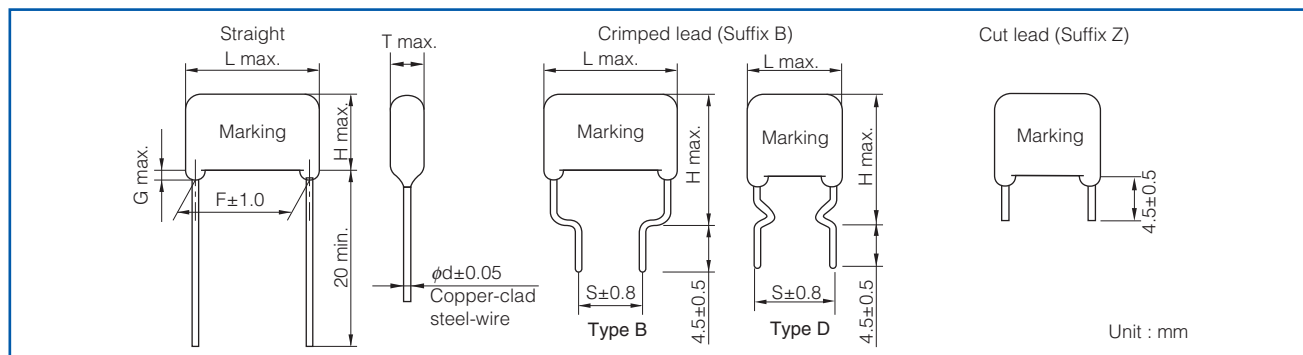
Specifications

Category temp. range (Including temperature-rise on unit surface)	250 V.DC,400 V.DC, 630 V.DC		− 40 °C to +105 °C
	125 V.AC, 250 V.AC		− 40 °C to +105 °C
Rated voltage	250 V.DC,400 V.DC, 630 V.DC (Derating of rated voltage by 1.25 %/°C at more than 85 °C) 125 V.AC, 250 V.AC		
Capacitance range	250 V.DC	0.010 μF to 10.0 μF (E12)	
	400 V.DC	0.010 μF to 2.2 μF (E12)	
	630 V.DC	0.010 μF to 2.2 μF (E12)	
	125 V.AC	0.010 μF to 0.47 μF (E12)	
	250 V.AC	0.010 μF to 0.47 μF (E12)	
Capacitance tolerance	±5 %(J), ±10 %(K)		
Dissipation factor (tan δ)	tan δ ≤ 1.0 % (20 °C, 1 kHz)		
Withstand voltage	● Rated volt. : 250 V.DC to 630 V.DC Between terminals : Rated volt. (V.DC)×150 %, 60 s		
	● Rated volt. : 125 V.AC, 250 V.AC Between terminals : Rated volt. (V.AC)×230 %, 60 s Between terminals to enclosure : 1500 V.AC, 60 s		
Insulation resistance (IR)	250 V.DC to 630 V.DC : C ≤ 0.33 μF : IR ≥ 9000 MΩ C > 0.33 μF : IR ≥ 3000 MΩ · μF (20 °C, 100 V.DC, 60 s)		
	125 V.AC, 250 V.AC : IR ≥ 2000 MΩ (20 °C, 500 V.DC, 60 s)		

* In case of applying voltage in alternating current (50 Hz or 60 Hz sine wave) to a capacitor with DC rated voltage, please refer to the page of "Permissible voltage (R.M.S) in alternating current corresponding to DC rated voltage".

* Voltage to be applied to ECQE1A (T) & ECQE2A (T) is only sine wave (50 Hz or 60 Hz).

Dimensions

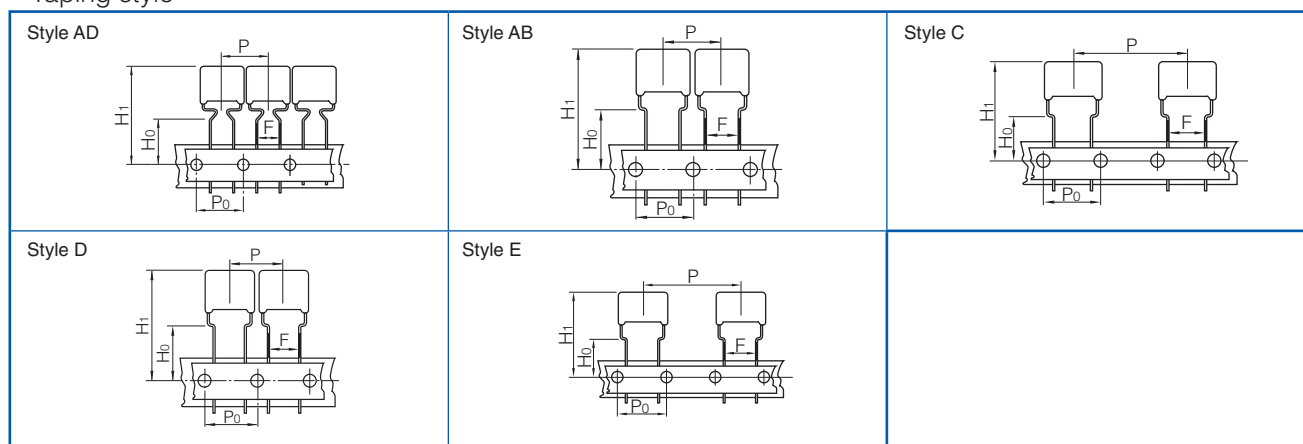


Packaging specifications for bulk package

- Packing quantity : 100 pcs./bag

Taping specifications for automatic insertion

- Taping style



* Refer to the page of taping specifications.

- Packaging specifications

Type	Rated voltage	Capacitance range (μF)	Taping style					Packing	suffix
			AD	AB	C	D	E		
ECQE(T)	250 V.DC	0.010 to 0.15	○					Ammono	() T3
		0.18 to 0.33			○			Ammono	() T3
		0.39 to 1.5			○			Ammono	() T3
		0.010 to 0.33				○		Ammono	R() T
		0.39 to 1.5					○	Ammono	R() T
	400 V.DC	0.010 to 0.033	○					Ammono	() T3
		0.039 to 0.10			○			Ammono	() T3
		0.12 to 0.47			○			Ammono	() T3
		0.010 to 0.10				○		Ammono	R() T
		0.12 to 0.47					○	Ammono	R() T
	630 V.DC	0.010 to 0.047			○			Ammono	() T3
		0.056 to 0.22			○			Ammono	() T3
		0.010 to 0.047				○		Ammono	R() T
		0.056 to 0.22					○	Ammono	R() T
	125 V.AC	0.27 to 0.47			○			Ammono	() T3
		0.010 to 0.10		○				Ammono	() T6
		0.12 to 0.22			○			Ammono	() T6
		0.010 to 0.22				○		Ammono	R() T
		0.27 to 0.47					○	Ammono	R() T
	250 V.AC	0.056 to 0.22			○		○	Ammono	() T3
		0.010 to 0.047			○			Ammono	() T6
		0.010 to 0.047				○		Ammono	R() T
		0.056 to 0.22					○	Ammono	R() T

- Lead spacing

Style	Lead spacing
AD	5.0 mm
AB	5.0 mm
C	5.0 mm
D	7.5 mm
E	7.5 mm

* See the column "Rating • Dimensions • Quantity" for packing quantity

Rating · Dimensions · Quantity

● Rated voltage : 250 V.DC, Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K)

Part No.	Cap. (μF)	Dimensions (mm)								Min. order Q'ty						
		L max.	T max.	H max.		F	S	G max.	ϕd	Taping			Bulk			
				Straight	Crimped lead	Straight	Crimped lead	Straight		Standard 5 mm	Odd size 5 mm	Odd size 7.5 mm	Straight	Crimped lead		
ECQE2103□T()	0.010	10.8	4.3	7.4	12.4	7.5	7.5	1.0	0.6	1500	—	1800	500	500		
ECQE2123□T()	0.012	10.8	4.4	7.5	12.5	7.5	7.5	1.0	0.6			1700				
ECQE2153□T()	0.015	10.8	4.4	7.5	12.5	7.5	7.5	1.0	0.6							
ECQE2183□T()	0.018	10.8	4.4	7.5	12.5	7.5	7.5	1.0	0.6							
ECQE2223□T()	0.022	10.8	4.4	7.5	12.5	7.5	7.5	1.0	0.6							
ECQE2273□T()	0.027	10.8	4.4	7.5	12.5	7.5	7.5	1.0	0.6							
ECQE2333□T()	0.033	10.8	4.5	7.5	12.5	7.5	7.5	1.0	0.6							
ECQE2393□T()	0.039	10.8	4.5	7.5	12.5	7.5	7.5	1.0	0.6							
ECQE2473□T()	0.047	10.8	4.5	7.5	12.5	7.5	7.5	1.0	0.6							
ECQE2563□T()	0.056	10.8	4.8	7.9	12.9	7.5	7.5	1.0	0.6						1600	
ECQE2683□T()	0.068	10.8	4.5	7.5	12.5	7.5	7.5	1.0	0.6						1700	
ECQE2823□T()	0.082	10.8	4.9	8.0	13.0	7.5	7.5	1.0	0.6			1500				
ECQE2104□T()	0.10	10.8	5.8	8.4	13.4	7.5	7.5	1.0	0.6	1000	1300					
ECQE2124□T()	0.12	10.8	6.0	9.0	14.0	7.5	7.5	1.0	0.6		1200					
ECQE2154□T()	0.15	10.8	6.0	10.8	15.8	7.5	7.5	1.0	0.6							
ECQE2184□T()	0.18	12.5	5.0	10.3	15.3	10.0	10.0	1.0	0.6	—	800	1400	500	500		
ECQE2224□T()	0.22	12.5	5.5	10.5	15.5	10.0	10.0	1.0	0.6		1300					
ECQE2274□T()	0.27	12.5	6.0	11.5	16.5	10.0	10.0	1.0	0.6		700	1200				
ECQE2334□T()	0.33	12.5	6.5	12.0	17.0	10.0	10.0	1.0	0.6		600	1100				
ECQE2394□T()	0.39	19.0	4.9	12.0	17.0	15.0	10.0	1.0	0.6		800	700				
ECQE2474□T()	0.47	19.0	5.3	12.5	17.5	15.0	10.0	1.0	0.6		700	600				
ECQE2564□T()	0.56	19.0	5.5	13.0	18.0	15.0	10.0	1.0	0.6		800					
ECQE2684□T()	0.68	19.0	6.0	13.5	18.5	15.0	10.0	1.0	0.8		700					
ECQE2824□T()	0.82	19.0	6.5	14.5	19.5	15.0	10.0	1.0	0.8		600	500				
ECQE2105□T()	1.0	19.0	7.4	15.0	20.0	15.0	10.0	1.0	0.8		500	400				
ECQE2125□T()	1.2	19.0	8.0	15.9	20.9	15.0	10.0	1.0	0.8							
ECQE2155□T()	1.5	19.0	9.0	16.8	21.8	15.0	10.0	1.0	0.8		400					
ECQE2185□T()	1.8	26.5	7.5	15.5	20.5	22.5	15.0	1.0	0.8		—	—			400	400
ECQE2225□T()	2.2	26.5	8.5	16.3	21.3	22.5	15.0	1.0	0.8							
ECQE2275□T()	2.7	26.5	9.4	17.0	22.0	22.5	15.0	1.0	0.8							
ECQE2335□T()	3.3	26.5	10.3	18.0	23.0	22.5	15.0	1.5	0.8							
ECQE2395□T()	3.9	26.5	11.0	20.5	25.5	22.5	15.0	1.5	0.8							
ECQE2475□T()	4.7	26.5	12.0	21.5	26.5	22.5	15.0	1.5	0.8							
ECQE2565□T()	5.6	31.5	11.8	21.0	26.0	27.5	22.5	1.5	0.8							
ECQE2685□T()	6.8	31.5	13.0	22.4	27.4	27.5	22.5	1.5	0.8							
ECQE2825□T()	8.2	31.5	14.3	23.5	28.5	27.5	22.5	1.5	0.8							
ECQE2106□T()	10.0	31.5	15.9	25.8	30.8	27.5	22.5	1.5	0.8							

* □ : Capacitance tolerance code
() : Suffix for lead crimped or taped type

Type D : 0.010 μ F to 0.33 μ F
Type B : 0.39 μ F to 10.0 μ F

Rating · Dimensions · Quantity

- Rated voltage : 400 V.DC, Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K)

Part No.	Cap. (μF)	Dimensions (mm)								Min. order Q'ty			
		L max.	T max.	H max.		F	S	G max.	φd	Taping			Bulk
				Straight	Crimped lead	Straight	Crimped lead	Straight		Standard 5 mm	Odd size 5 mm	Odd size 7.5 mm	Straight · Crimped lead
ECQE4103□T()	0.010	10.8	4.3	7.4	12.4	7.5	7.5	1.0	0.6	1500	-	1800	500
ECQE4123□T()	0.012	10.8	4.4	7.5	12.5	7.5	7.5	1.0	0.6			1700	
ECQE4153□T()	0.015	10.8	4.4	7.5	12.5	7.5	7.5	1.0	0.6				
ECQE4183□T()	0.018	10.8	4.4	7.5	12.5	7.5	7.5	1.0	0.6			1400	
ECQE4223□T()	0.022	10.8	4.8	7.9	12.9	7.5	7.5	1.0	0.6				
ECQE4273□T()	0.027	10.8	5.5	8.0	13.0	7.5	7.5	1.0	0.6	1000	-	1500	
ECQE4333□T()	0.033	10.8	6.0	9.0	14.0	7.5	7.5	1.0	0.6			1400	
ECQE4393□T()	0.039	12.5	4.9	8.0	13.0	10.0	10.0	1.0	0.6	800	1300		
ECQE4473□T()	0.047	12.5	5.0	8.3	13.3	10.0	10.0	1.0	0.6		700	1200	
ECQE4563□T()	0.056	12.5	5.0	10.0	15.0	10.0	10.0	1.0	0.6	800		700	
ECQE4683□T()	0.068	12.5	5.4	10.5	15.5	10.0	10.0	1.0	0.6		700	600	
ECQE4823□T()	0.082	12.5	5.8	11.0	16.0	10.0	10.0	1.0	0.6	600		500	
ECQE4104□T()	0.10	12.5	6.3	12.0	17.0	10.0	10.0	1.0	0.6		500	400	
ECQE4124□T()	0.12	19.0	5.0	10.0	15.0	15.0	10.0	1.0	0.6	-		-	
ECQE4154□T()	0.15	19.0	5.0	12.4	17.4	15.0	10.0	1.0	0.6				
ECQE4184□T()	0.18	19.0	5.4	12.5	17.5	15.0	10.0	1.0	0.6				
ECQE4224□T()	0.22	19.0	5.9	13.0	18.0	15.0	10.0	1.0	0.6				
ECQE4274□T()	0.27	19.0	6.5	14.3	19.3	15.0	10.0	1.0	0.8				
ECQE4334□T()	0.33	19.0	7.0	14.9	19.9	15.0	10.0	1.0	0.8				
ECQE4394□T()	0.39	19.0	7.5	15.4	20.4	15.0	10.0	1.0	0.8				
ECQE4474□T()	0.47	19.0	7.8	17.0	22.0	15.0	10.0	1.0	0.8				
ECQE4564□T()	0.56	26.5	6.5	16.0	21.0	22.5	15.0	1.0	0.8				
ECQE4684□T()	0.68	26.5	7.0	16.5	21.5	22.5	15.0	1.0	0.8				
ECQE4824□T()	0.82	26.5	7.9	17.3	22.3	22.5	15.0	1.0	0.8				
ECQE4105□T()	1.0	26.5	8.5	18.0	23.0	22.5	15.0	1.0	0.8				
ECQE4125□T()	1.2	26.5	9.5	18.9	23.9	22.5	15.0	1.0	0.8				
ECQE4155□T()	1.5	31.5	9.5	19.0	24.0	27.5	22.5	1.0	0.8				
ECQE4185□T()	1.8	31.5	11.0	20.5	25.5	27.5	22.5	1.5	0.8				
ECQE4225□T()	2.2	31.5	11.0	22.0	27.0	27.5	22.5	1.5	0.8				

* □ : Capacitance tolerance code
() : Suffix for lead crimped or taped type

Type D : 0.010 μ F to 0.10 μ F
Type B : 0.12 μ F to 2.2 μ F

- Rated voltage : 630 V.DC, Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K)

Part No.	Cap. (μF)	Dimensions (mm)								Min. order Q'ty				
		L max.	T max.	H max.		F		S	G max.	φd	Taping		Bulk	
				Straight	Crimped lead	Straight	Crimped lead	Straight	Odd size 5 mm		Odd size 7.5 mm	Straight	Crimped lead	
ECQE6103□T()	0.010	12.5	4.5	7.5	12.5	10.0	10.0	1.0	0.6	900	1600	500	500	
ECQE6123□T()	0.012	12.5	4.5	7.8	12.8	10.0	10.0	1.0	0.6					
ECQE6153□T()	0.015	12.5	5.0	8.2	13.2	10.0	10.0	1.0	0.6	800	1400			
ECQE6183□T()	0.018	12.5	4.9	10.0	15.0	10.0	10.0	1.0	0.6		1300			
ECQE6223□T()	0.022	12.5	5.3	10.5	15.5	10.0	10.0	1.0	0.6					
ECQE6273□T()	0.027	12.5	5.5	10.9	15.9	10.0	10.0	1.0	0.6	700	1200			
ECQE6333□T()	0.033	12.5	6.0	11.9	16.9	10.0	10.0	1.0	0.6					
ECQE6393□T()	0.039	12.5	6.0	13.4	18.4	10.0	10.0	1.0	0.6	600	1100			
ECQE6473□T()	0.047	12.5	6.5	13.5	18.5	10.0	10.0	1.0	0.6					
ECQE6563□T()	0.056	19.0	5.4	10.5	15.5	15.0	10.0	1.0	0.6	800	600			
ECQE6683□T()	0.068	19.0	5.8	11.0	16.0	15.0	10.0	1.0	0.6	700				
ECQE6823□T()	0.082	19.0	6.5	12.0	17.0	15.0	10.0	1.0	0.6	600	500			
ECQE6104□T()	0.10	19.0	6.3	14.0	19.0	15.0	10.0	1.0	0.6					
ECQE6124□T()	0.12	19.0	6.3	14.5	19.5	15.0	10.0	1.0	0.8					
ECQE6154□T()	0.15	19.0	7.5	15.4	20.4	15.0	10.0	1.0	0.8	500	400			
ECQE6184□T()	0.18	19.0	8.0	16.0	21.0	15.0	10.0	1.0	0.8					
ECQE6224□T()	0.22	19.0	9.0	16.5	21.5	15.0	10.0	1.0	0.8	400				
ECQE6274□T()	0.27	26.5	7.0	16.5	21.5	22.5	15.0	1.0	0.8	—	—			
ECQE6334□T()	0.33	26.5	7.8	17.0	22.0	22.5	15.0	1.0	0.8					
ECQE6394□T()	0.39	26.5	8.5	17.9	22.9	22.5	15.0	1.0	0.8					
ECQE6474□T()	0.47	26.5	9.3	18.5	23.5	22.5	15.0	1.0	0.8					
ECQE6564□T()	0.56	26.5	10.0	20.0	25.0	22.5	15.0	1.5	0.8					
ECQE6684□T()	0.68	26.5	11.5	21.0	26.0	22.5	15.0	1.5	0.8					
ECQE6824□T()	0.82	31.5	11.3	20.5	25.5	27.5	22.5	1.5	0.8					
ECQE6105□T()	1.0	31.5	12.5	21.9	26.9	27.5	22.5	1.5	0.8					
ECQE6125□T()	1.2	31.5	13.5	23.0	28.0	27.5	22.5	1.5	0.8					
ECQE6155□T()	1.5	31.5	15.3	24.7	29.7	27.5	22.5	1.5	0.8					
ECQE6185□T()	1.8	31.5	16.8	27.0	32.0	27.5	22.5	1.5	0.8					
ECQE6225□T()	2.2	31.5	19.5	29.0	34.0	27.5	22.5	1.5	0.8			400		

* □ : Capacitance tolerance code
() : Suffix for lead crimped or taped type

Type D : 0.010 μ F to 0.047 μ F
Type B : 0.056 μ F to 2.2 μ F

Rating · Dimensions · Quantity

- Rated voltage : 125 V.AC, Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K)
Noise suppression Capacitors (Across-the-line)

Part No.	Cap. (μ F)	Dimensions (mm)								Min. order Q'ty			
		L max.	T max.	H max.		F		S	G max.	ϕ d	Taping		
				Straight	Crimped lead	Straight	Crimped lead	Straight			Standard 5 mm	Odd size 5 mm	Bulk Straight : Crimped lead
ECQE1A103□()	0.010	11.0	4.5	7.5	12.5	7.5	7.5	1.0	0.6		1500	-	1700
ECQE1A123□()	0.012	11.0	4.4	7.5	12.5	7.5	7.5	1.0	0.6				
ECQE1A153□()	0.015	11.0	4.4	7.5	12.5	7.5	7.5	1.0	0.6				
ECQE1A183□()	0.018	11.0	4.4	7.5	12.5	7.5	7.5	1.0	0.6				
ECQE1A223□()	0.022	11.0	4.4	7.5	12.5	7.5	7.5	1.0	0.6				
ECQE1A273□()	0.027	11.0	4.4	7.5	12.5	7.5	7.5	1.0	0.6				
ECQE1A333□()	0.033	11.0	4.5	7.8	12.8	7.5	7.5	1.0	0.6				
ECQE1A393□()	0.039	11.0	4.5	7.8	12.8	7.5	7.5	1.0	0.6				
ECQE1A473□()	0.047	11.0	5.5	8.0	13.0	7.5	7.5	1.0	0.6				
ECQE1A563□()	0.056	11.0	5.9	8.5	13.5	7.5	7.5	1.0	0.6				
ECQE1A683□()	0.068	11.0	6.3	9.4	14.4	7.5	7.5	1.0	0.6		1000	-	500
ECQE1A823□()	0.082	11.0	6.5	9.8	14.8	7.5	7.5	1.0	0.6				
ECQE1A104□()	0.10	11.0	6.5	11.8	16.8	7.5	7.5	1.0	0.6				
ECQE1A124□()	0.12	13.0	5.9	11.5	16.5	10.0	10.0	1.0	0.6				
ECQE1A154□()	0.15	13.0	6.5	12.0	17.0	10.0	10.0	1.0	0.6				
ECQE1A184□()	0.18	13.0	7.0	12.5	17.5	10.0	10.0	1.0	0.6				
ECQE1A224□()	0.22	13.0	7.5	13.4	18.4	10.0	10.0	1.0	0.6				
ECQE1A274□()	0.27	19.0	6.3	12.0	17.0	15.0	10.0	1.0	0.6				
ECQE1A334□()	0.33	19.0	6.9	12.5	17.5	15.0	10.0	1.0	0.6				
ECQE1A394□()	0.39	19.0	7.4	13.0	18.0	15.0	10.0	1.0	0.6				
ECQE1A474□()	0.47	19.0	7.5	15.3	20.3	15.0	10.0	1.0	0.6		-	600	400

* □ : Capacitance tolerance code
() : Suffix for lead crimped or taped type

Type D : 0.010 μ F to 0.22 μ F
Type B : 0.27 μ F to 0.47 μ F

- Rated voltage : 250 V.AC, Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K)
Noise suppression Capacitors (Across-the-line)

Part No.	Cap. (μF)	Dimensions (mm)								Min. order Q'ty			
		L max.	T max.	H max.		F		S	G max.	φd	Taping		Bulk Straight · Crimped lead
				Straight	Crimped lead	Straight	Crimped lead	Straight	Odd size 5 mm		Odd size 7.5 mm		
ECQE2A103□()	0.010	13.0	5.5	10.8	15.8	10.0	10.0	1.0	0.6	800	1300	500	
ECQE2A123□()	0.012	13.0	6.0	11.5	16.5	10.0	10.0	1.0	0.6	700	1200		
ECQE2A153□()	0.015	13.0	6.3	9.9	14.9	10.0	10.0	1.0	0.6	600	1100		
ECQE2A183□()	0.018	13.0	6.0	11.9	16.9	10.0	10.0	1.0	0.6	700	1200		
ECQE2A223□()	0.022	13.0	6.0	11.5	16.5	10.0	10.0	1.0	0.6				
ECQE2A273□()	0.027	13.0	5.5	10.9	15.9	10.0	10.0	1.0	0.6	800	1300		
ECQE2A333□()	0.033	13.0	6.0	11.9	16.9	10.0	10.0	1.0	0.6	700	1200		
ECQE2A393□()	0.039	13.0	6.0	13.4	18.4	10.0	10.0	1.0	0.6				
ECQE2A473□()	0.047	13.0	6.5	14.4	19.4	10.0	10.0	1.0	0.6	600	1100		
ECQE2A563□()	0.056	19.0	5.4	10.5	15.5	15.0	10.0	1.0	0.6	800	600		
ECQE2A683□()	0.068	19.0	5.8	11.0	16.0	15.0	10.0	1.0	0.6	700			
ECQE2A823□()	0.082	19.0	6.3	12.0	17.0	15.0	10.0	1.0	0.6	600	500		
ECQE2A104□()	0.10	19.0	6.3	14.0	19.0	15.0	10.0	1.0	0.6				
ECQE2A124□()	0.12	19.0	6.8	14.5	19.5	15.0	10.0	1.0	0.8				
ECQE2A154□()	0.15	19.0	7.5	15.4	20.4	15.0	10.0	1.0	0.8				
ECQE2A184□()	0.18	19.0	8.0	16.0	21.0	15.0	10.0	1.0	0.8	500	400		
ECQE2A224□()	0.22	19.0	9.0	16.9	21.9	15.0	10.0	1.0	0.8				400
ECQE2A274□()	0.27	26.5	7.0	16.5	21.5	22.5	15.0	1.0	0.8	—	—		
ECQE2A334□()	0.33	26.5	7.8	17.0	22.0	22.5	15.0	1.0	0.8				
ECQE2A394□()	0.39	26.5	8.5	17.9	22.9	22.5	15.0	1.0	0.8				
ECQE2A474□()	0.47	26.5	9.3	18.5	23.5	22.5	15.0	1.0	0.8				

* □ : Capacitance tolerance code
() : Suffix for lead crimped or taped type

Type D : 0.010 μ F to 0.047 μ F
Type B : 0.056 μ F to 0.47 μ F

Notice for AC rated

AC rated capacitors complying with clause 1 of "Electrical Appliance and Material Safety Law".

As for clause 2 of "Electrical Appliance and Material Safety Law", please use ECQUA type or ECQUL type.

When using these capacitors as a across-the-line capacitor, it shall be required to follow either item 1. or item 2. condition.

- Capacitor shall be connected in parallel with varistor (Specified varistor voltage in table 1.)
- Voltage applied for capacitor shall not exceed other than specified in table 1, when using these capacitors.

Table 1

Capacitor rated voltage	Varistor voltage	Pulse voltage
125 V.AC	250 V	250 V _{D,P}
250 V.AC	470 V	630 V _{D,P}

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