### **Panasonic**

## Metallized Polyester Film Capacitor Type: ECQE(B)

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

# 新加加 H 2 5 0

#### **Features**

- Self-healing property
- Small size
- Excellent electrical characteristics
- Flame retardant epoxy resin coating
- RoHS directive compliant

#### **Recommended applications**

General purpose usage

Specifications

\* Please contact us when applications are CDI, ignitor etc.

#### **Explanation of part number** 6 8 11 Ε C Q Ε В Product code Dielectric & Rated voltage Capacitance Cap. Tol. Suffix Suffix construction 250 V.DC ±5 % Lead Form Code 125 V.AC ±10 % Blank Straight В Crimped lead Ζ Cut lead 2 Straight taping (Ammo) 3 Crimped taping (Ammo) 6 Crimped taping (Ammo) Odd size taping C Ε R В Ε Q Suffix Product code Suffix Cap. Tol. Dielectric & Rated voltage Capacitance construction

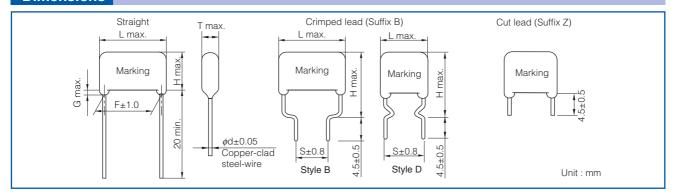
Specifications							
Category temp. range	250 V.DC	− 40 °C to +105 °C					
(Including temperature-rise on unit surface)	125 V.AC	− 40 °C to +105 °C					
Rated voltage	250 V.DC, 125 V.AC (250 V.DC: Derating of rated voltage by 1.25 %/°C at more than 85 °C						
Capacitance range		0.010 μF to 4.7 μF					
Capacitance tolerance	±5 %(J), ±10 %(K)						
Dissipation factor (tan $\delta$ )	tan δ ≤ 1.0 % ( 20 °C, 1 kHz )						
Withstand voltage	<ul> <li>Rated volt.: 250 V.DC Between terminals: Rated volt. (V.DC)×150 %, 60 s</li> <li>Rated volt.: 125 V.AC Between terminals: Rated volt. (V.AC)×230 %, 60 s Between terminals to enclosure: 1500 V.AC, 60 s</li> </ul>						
Insulation resistance (IR)	250 V.DC	$C ≤ 0.33 \mu\text{F} : IR ≥ 9000 \text{M}\Omega$ (20 °C, 100 V.DC, 60 s) $C > 0.33 \mu\text{F} : IR ≥ 3000 \text{M}\Omega \cdot \mu\text{F}$ (20 °C, 100 V.DC, 60 s)					
	125 V.AC	$C \le 0.47 \ \mu\text{F}$ : IR ≥ 2000 MΩ (20 °C, 500 V.DC, 60 s) $C > 0.47 \ \mu\text{F}$ : IR ≥ 3000 MΩ · $\mu\text{F}$ (20 °C, 100 V.DC, 60 s)					

<sup>\*</sup> 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".

<sup>\*</sup> Voltage to be applied to ECQE1A (B) is only sine wave (50 Hz or 60 Hz).



#### Dimensions

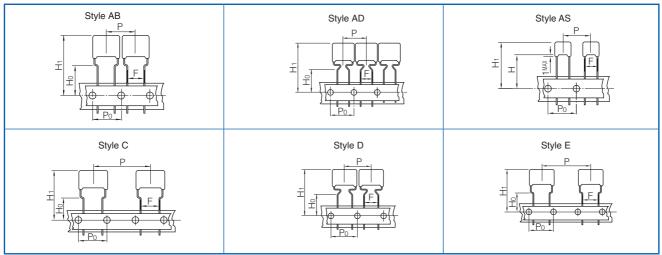


#### Packaging specifications for bulk package

Packing quantity: 100 pcs./bag

#### Taping specifications for automatic insertion

#### Taping style



<sup>\*</sup> Refer to the page of taping specifications.

#### Packaging specifications

Type Rated		Capacitance range		٦	api	ng s	style	Э	Packing	suffix		
Туре	voltage	(µF)		AS	AB	В	С	D	Е	racking	Julia	
		0.010 to 0.15		0						Ammo	( ) B2	
		0.010 to 0.68	0							Ammo	( ) B3	
	250 V.DC	0.82 to 1.5					0			Ammo	( ) B3	
		0.18 to 0.68						0		Ammo	R( ) B	
ECQE(B)		0.82 to 4.7							0	Ammo	R( )B	
LUQL(B)		0.010 to 0.068		0						Ammo	( ) B2	
		0.082 to 0.22			0					Ammo	( ) B6	
	125 V.AC	0.27 to 2.7					0			Ammo	( ) B3	
		0.082 to 0.68						0		Ammo	R( )B	
		0.82 to 2.7							0	Ammo	R( )B	

#### Lead spacing

Style	Lead spacing
AD	5.0 mm
AS	5.0 mm
AB	5.0 mm
С	5.0 mm
D	7.5 mm
Е	7.5 mm

<sup>★</sup> See the column "Rating · Dimensions · Quantity" for packing quantity



#### Rating · Dimensions · Quantity

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

Part No.   Cap. (µF)	Thatea vertage : 2		Dimensions (mm)								Min. order Q'ty				
COPE2103   COPE   Compact   Compact   Compact   Compact   Cope	Part No				H max. F S				Taping						
ECQE2183□B() 0.012 7.9 4.2 7.1 12.1 5.0 5.0 0.5  ECQE2183□B() 0.015 7.9 4.2 7.1 12.1 5.0 5.0 0.5  ECQE2183□B() 0.018 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE223□B() 0.022 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE223□B() 0.027 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.033 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.033 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.039 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE2473□B() 0.047 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE243□B() 0.066 7.9 4.7 7.7 12.7 5.0 5.0 0.5  ECQE2683□B() 0.068 7.9 5.1 8.0 13.0 5.0 5.0 0.5  ECQE2683□B() 0.082 7.9 5.4 8.6 13.6 5.0 5.0 0.5  ECQE2104□B() 0.10 7.9 5.9 9.0 14.0 5.0 5.0 0.5  ECQE2144□B() 0.12 7.9 5.7 10.6 15.6 5.0 5.0 0.5 1500  ECQE2144□B() 0.15 7.9 6.3 11.2 16.2 5.0 5.0 0.5 1500  ECQE2144□B() 0.12 7.9 5.7 10.6 15.6 5.0 5.0 0.5  ECQE224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE224□B() 0.27 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE234□B() 0.27 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE234□B() 0.27 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE234□B() 0.33 10.3 6.4 11.3 16.3 7.5 5.0 0.5  ECQE234□B() 0.39 12.3 5.7 10.9 15.9 10.0 5.0 0.6  ECQE247□B() 0.56 12.3 6.7 11.9 16.4 10.0 5.0 0.6  ECQE256□B() 1.0 6.8 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE2684□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE2684□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE215□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE215□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE215□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE215□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE215□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B() 2.7 20.8 9.3 16.7 17.9 22.9 17.5 10.0 0.8  ECQE225□B() 2.7 20.8 9.3 16.7 17.9 22.9 17.5 10.0 0.8  ECQE2235□B() 3.9 20.8 10.8 19.8 24.8 17.5 10.0 0.8	Tartino.	(µF)	L max.	T max.	Straight		Straight		<b>ø</b> d				Bulk		
ECQE2153□B()   0.015   7.9   4.2   7.1   12.1   5.0   5.0   0.5	ECQE2103□B()	0.010	7.9	4.2	7.1	12.1	5.0	5.0	0.5						
ECQE233□B() 0.018 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE223□B() 0.022 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.033 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.033 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.033 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE247□B() 0.037 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE247□B() 0.047 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE2683□B() 0.056 7.9 4.7 7.7 12.7 5.0 5.0 0.5  ECQE2683□B() 0.082 7.9 5.1 8.0 13.0 5.0 5.0 0.5  ECQE2683□B() 0.082 7.9 5.1 8.0 13.0 5.0 5.0 0.5  ECQE2184□B() 0.010 7.9 5.9 9.0 14.0 5.0 5.0 0.5  ECQE2184□B() 0.112 7.9 5.7 10.6 15.6 5.0 5.0 0.5 1000  ECQE2184□B() 0.12 7.9 5.7 10.6 15.6 5.0 5.0 0.5 1000  ECQE2184□B() 0.18 10.3 5.0 9.7 14.7 7.5 5.0 0.5  ECQE224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE2224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE2224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE2234□B() 0.33 10.3 6.4 11.3 16.3 7.5 5.0 0.5  ECQE234□B() 0.33 10.3 6.4 11.3 16.3 7.5 5.0 0.5  ECQE234□B() 0.33 10.3 6.4 11.3 16.3 7.5 5.0 0.5  ECQE234□B() 0.66 12.3 6.7 11.9 16.9 10.0 5.0 0.6  ECQE244□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE244□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE246□B() 0.68 12.3 7.0 14.0 19.0 12.5 5.0 0.6  ECQE2185□B() 1.0 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2185□B() 1.2 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE2185□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2185□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2185□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2185□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE225□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE225□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2185□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE225□B() 1.2 15.3 7.6 14.6 19.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE2235□B() 3.3 20.8 10.5 17.9 22.9 17.5 10.0 0.8	ECQE2123□B( )	0.012	7.9	4.2	7.1	12.1	5.0	5.0	0.5						
ECQE223□B() 0.022 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE273□B() 0.027 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.033 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.039 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE233□B() 0.039 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE2473□B() 0.047 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE2683□B() 0.056 7.9 4.7 7.7 12.7 5.0 5.0 0.5  ECQE2683□B() 0.068 7.9 5.1 8.0 13.0 5.0 5.0 0.5  ECQE2823□B() 0.082 7.9 5.4 8.6 13.6 5.0 5.0 0.5  ECQE2104□B() 0.10 7.9 5.9 9.0 14.0 5.0 5.0 0.5  ECQE214□B() 0.12 7.9 5.7 10.6 15.6 5.0 5.0 0.5 1500  ECQE2184□B() 0.15 7.9 6.3 11.2 16.2 5.0 5.0 0.5 1500  ECQE2184□B() 0.15 7.9 6.3 11.2 16.2 5.0 5.0 0.5 1500  ECQE224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE224□B() 0.27 10.3 5.9 10.8 15.8 7.5 5.0 0.5  ECQE2234□B() 0.39 12.3 5.7 10.9 15.9 10.0 5.0 0.6  ECQE234□B() 0.39 12.3 5.7 10.9 15.9 10.0 5.0 0.6  ECQE284□B() 0.66 12.3 6.7 11.9 16.9 10.0 5.0 0.6  ECQE284□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE284□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE284□B() 0.68 15.3 6.3 13.3 18.3 12.5 5.0 0.6  ECQE284□B() 0.82 15.3 6.3 13.3 18.3 12.5 5.0 0.6  ECQE2824□B() 0.82 15.3 6.3 13.3 18.3 12.5 5.0 0.6  ECQE2825□B() 1.2 15.3 7.6 14.6 19.6 17.5 10.0 0.8  ECQE2155□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE2155□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE2155□B() 1.2 15.3 7.6 14.6 19.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE2335□B() 3.3 20.8 10.5 17.9 22.9 17.5 10.0 0.8  ECQE2335□B() 3.9 20.8 10.8 19.8 24.8 17.5 10.0 0.8	ECQE2153□B( )	0.015	7.9	4.2	7.1	12.1	5.0	5.0	0.5						
ECQE273□B() 0.027 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE2333□B() 0.033 7.9 4.3 7.2 12.2 5.0 5.0 0.5  ECQE2333□B() 0.033 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE2473□B() 0.047 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE2473□B() 0.056 7.9 4.5 7.4 12.4 5.0 5.0 0.5  ECQE2683□B() 0.056 7.9 4.7 7.7 12.7 5.0 5.0 0.5  ECQE2683□B() 0.068 7.9 5.1 8.0 13.0 5.0 5.0 0.5  ECQE2823□B() 0.082 7.9 5.4 8.6 13.6 5.0 5.0 0.5  ECQE2124□B() 0.10 7.9 5.9 9.0 14.0 5.0 5.0 0.5 1500  ECQE2124□B() 0.12 7.9 5.7 10.6 15.6 5.0 5.0 5.0 0.5 1500  ECQE2184□B() 0.15 7.9 6.3 11.2 16.2 5.0 5.0 0.5 1500  ECQE2184□B() 0.12 7.9 5.7 10.6 15.6 5.0 5.0 0.5 1500  ECQE2184□B() 0.13 10.3 5.0 9.7 14.7 7.5 5.0 0.5 1500  ECQE2184□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5 1500  ECQE224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE2394□B() 0.39 12.3 5.7 10.9 15.9 10.0 5.0 0.6  ECQE2394□B() 0.39 12.3 5.7 10.9 15.9 10.0 5.0 0.6  ECQE2824□B() 0.68 12.3 6.2 11.4 16.4 10.0 5.0 0.6  ECQE2824□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE2824□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE2824□B() 0.82 15.3 6.3 13.3 18.3 12.5 5.0 0.6  ECQE2824□B() 1.0 15.3 7.0 14.0 19.0 12.5 5.0 0.6  ECQE2185□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2185□B() 1.2 15.3 7.6 14.6 19.6 17.5 10.0 0.8  ECQE2185□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE225□B() 1.2 15.3 7.6 14.6 19.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE2235□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE2235□B() 3.3 20.8 10.5 17.9 22.9 17.5 10.0 0.8  ECQE2335□B() 3.9 20.8 10.8 19.8 24.8 17.5 10.0 0.8	ECQE2183□B( )	0.018	7.9	4.3	7.2	12.2	5.0	5.0	0.5	2000					
ECQE2333□B()       0.033       7.9       4.3       7.2       12.2       5.0       5.0       0.5         ECQE2939□B()       0.039       7.9       4.5       7.4       12.4       5.0       5.0       0.5         ECQE2473□B()       0.047       7.9       4.5       7.4       12.4       5.0       5.0       0.5         ECQE2683□B()       0.056       7.9       4.7       7.7       12.7       5.0       5.0       0.5         ECQE2683□B()       0.068       7.9       5.1       8.0       13.0       5.0       5.0       0.5         ECQE28282□B()       0.082       7.9       5.4       8.6       13.6       5.0       5.0       0.5         ECQE2144□B()       0.10       7.9       5.9       9.0       14.0       5.0       5.0       0.5       1500         ECQE214□B()       0.12       7.9       5.7       10.6       15.6       5.0       5.0       0.5       1500         ECQE214□B()       0.18       10.3       5.7       10.6       15.6       5.0       0.5       1500         ECQE214□B()       0.22       10.3       5.4       10.1       15.7       7.5       5.0	ECQE2223□B( )	0.022	7.9	4.3	7.2	12.2	5.0	5.0	0.5						
ECQE2393□B()       0.039       7.9       4.5       7.4       12.4       5.0       5.0       0.5         ECQE2473□B()       0.047       7.9       4.5       7.4       12.4       5.0       5.0       0.5         ECQE2663□B()       0.056       7.9       4.7       7.7       12.7       5.0       5.0       0.5         ECQE2683□B()       0.068       7.9       5.1       8.0       13.0       5.0       5.0       0.5         ECQE2823□B()       0.082       7.9       5.4       8.6       13.6       5.0       5.0       0.5       1500         ECQE2144□B()       0.12       7.9       5.7       10.6       15.6       5.0       5.0       0.5       1500         ECQE2184□B()       0.12       7.9       6.3       11.2       16.2       5.0       5.0       0.5       1500         ECQE2184□B()       0.18       10.3       5.0       9.7       14.7       7.5       5.0       0.5       1500         ECQE224□B()       0.27       10.3       5.4       10.1       15.1       7.5       5.0       0.5       1500         ECQE2234□B()       0.39       12.3       5.7       10.9	ECQE2273□B( )	0.027	7.9	4.3	7.2	12.2	5.0	5.0	0.5						
ECQE2473□B() 0.047 7.9 4.5 7.4 12.4 5.0 5.0 0.5	ECQE2333□B( )	0.033	7.9	4.3	7.2	12.2	5.0	5.0	0.5						
ECQE2683□B() 0.056 7.9 4.7 7.7 12.7 5.0 5.0 0.5 1500 ECQE2683□B() 0.068 7.9 5.1 8.0 13.0 5.0 5.0 0.5 ECQE2823□B() 0.082 7.9 5.4 8.6 13.6 5.0 5.0 0.5 ECQE2104□B() 0.10 7.9 5.9 9.0 14.0 5.0 5.0 0.5 1500 ECQE2124□B() 0.15 7.9 6.3 11.2 16.2 5.0 5.0 0.5 1500 ECQE2184□B() 0.18 10.3 5.0 9.7 14.7 7.5 5.0 0.5 1500 ECQE2184□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5 ECQE2224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5 ECQE2234□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5 ECQE2234□B() 0.33 10.3 6.4 11.3 16.3 7.5 5.0 0.5 ECQE2384□B() 0.33 10.3 6.4 11.3 16.3 7.5 5.0 0.5 ECQE2394□B() 0.39 12.3 5.7 10.9 15.9 10.0 5.0 0.6 ECQE244□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6 ECQE264□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6 ECQE264□B() 0.82 15.3 6.3 13.3 18.3 12.5 5.0 0.6 ECQE2684□B() 1.0 15.3 7.0 14.0 19.0 12.5 5.0 0.6 ECQE2155□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6 ECQE2155□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6 ECQE2155□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6 ECQE2155□B() 1.8 20.8 7.6 14.6 19.6 17.5 10.0 0.8 ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8 ECQE225□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE225□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE225□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8 ECQE235□B() 2.0 2.8 10.8 10.8 19.8 24.8 17.5 10.0 0.8 ECQE235□B() 3.9 20.8 10.8 10.8 19.8 24.8 17.5 10.0 0.8 ECQE235□B() 3.9 20.8 10.8 10.8 19.8 24.8 17.5 10.0 0.8 ECQE235□B() 3.9 20.8 10.8 10.8 19.8 24.8 17.5 10.0 0.8 ECQE235□B() 3.9 20.8 10.8 10.8 10.8 10.8 10.8 1	ECQE2393□B( )	0.039	7.9	4.5	7.4	12.4	5.0	5.0	0.5			_			
ECQE2683□B()       0.068       7.9       5.1       8.0       13.0       5.0       5.0       0.5         ECQE2823□B()       0.082       7.9       5.4       8.6       13.6       5.0       5.0       0.5       1000         ECQE2104□B()       0.10       7.9       5.9       9.0       14.0       5.0       5.0       0.5       1000         ECQE2184□B()       0.15       7.9       6.3       11.2       16.2       5.0       5.0       0.5       1500         ECQE2184□B()       0.18       10.3       5.0       9.7       14.7       7.5       5.0       0.5       1500         ECQE224□B()       0.22       10.3       5.4       10.1       15.1       7.5       5.0       0.5       1500         ECQE2234□B()       0.27       10.3       5.9       10.8       15.8       7.5       5.0       0.5       1500         ECQE2234□B()       0.27       10.3       5.9       10.8       15.8       7.5       5.0       0.5       1500         ECQE2394□B()       0.33       10.3       6.4       11.3       16.3       7.5       5.0       0.5       1000       1000         ECQE2364□B() </td <td>ECQE2473□B( )</td> <td>0.047</td> <td>7.9</td> <td>4.5</td> <td>7.4</td> <td>12.4</td> <td>5.0</td> <td>5.0</td> <td>0.5</td> <td></td> <td></td> <td></td> <td rowspan="13">500</td>	ECQE2473□B( )	0.047	7.9	4.5	7.4	12.4	5.0	5.0	0.5				500		
ECQE2823□B()         0.082         7.9         5.4         8.6         13.6         5.0         5.0         0.5         —         —         ECQE2104□B()         0.10         7.9         5.9         9.0         14.0         5.0         5.0         0.5         1000         —         ECQE2124□B()         0.12         7.9         5.7         10.6         15.6         5.0         5.0         0.5         1500         —         ECQE2154□B()         0.15         7.9         6.3         11.2         16.2         5.0         5.0         0.5         1500         —         1500         ECQE2184□B()         0.18         10.3         5.0         9.7         14.7         7.5         5.0         0.5         1500         1500         ECQE2284□B()         0.22         10.3         5.4         10.1         15.1         7.5         5.0         0.5         1500         1500         ECQE224□B()         0.27         10.3         5.9         10.8         15.8         7.5         5.0         0.5         1500         1500         ECQE234□B()         0.39         12.3         5.7         10.9         15.9         10.0         5.0         0.6         10.0         10.0         10.0         10.0         10.0	ECQE2563□B( )	0.056	7.9	4.7	7.7	12.7	5.0	5.0	0.5	1500					
ECQE2104□B()         0.10         7.9         5.9         9.0         14.0         5.0         5.0         0.5         1000           ECQE2124□B()         0.12         7.9         5.7         10.6         15.6         5.0         5.0         0.5         1500           ECQE2154□B()         0.15         7.9         6.3         11.2         16.2         5.0         5.0         0.5         1000           ECQE2184□B()         0.18         10.3         5.0         9.7         14.7         7.5         5.0         0.5         1500           ECQE2224□B()         0.22         10.3         5.4         10.1         15.1         7.5         5.0         0.5         1500           ECQE2234□B()         0.27         10.3         5.9         10.8         15.8         7.5         5.0         0.5         1500           ECQE2334□B()         0.33         10.3         6.4         11.3         16.3         7.5         5.0         0.5         10.0         1000           ECQE2347□B()         0.47         12.3         6.2         11.4         16.4         10.0         5.0         0.6         1000           ECQE2684□B()         0.68         12.3 <td>ECQE2683□B( )</td> <td>0.068</td> <td>7.9</td> <td>5.1</td> <td>8.0</td> <td>13.0</td> <td>5.0</td> <td>5.0</td> <td>0.5</td> <td rowspan="7">1500 1000</td> <td></td>	ECQE2683□B( )	0.068	7.9	5.1	8.0	13.0	5.0	5.0	0.5	1500 1000					
ECQE2124□B()         0.12         7.9         5.7         10.6         15.6         5.0         5.0         0.5         1500           ECQE2154□B()         0.15         7.9         6.3         11.2         16.2         5.0         5.0         0.5         1000           ECQE2184□B()         0.22         10.3         5.4         10.1         15.1         7.5         5.0         0.5         1500           ECQE224□B()         0.22         10.3         5.4         10.1         15.1         7.5         5.0         0.5         1500           ECQE224□B()         0.27         10.3         5.9         10.8         15.8         7.5         5.0         0.5         1500           ECQE234□B()         0.33         10.3         6.4         11.3         16.3         7.5         5.0         0.5         1000         500         50         50         500         500         500         500         500         600         500         600         500         600         500         600         500         600         500         600         500         600         500         600         500         600         500         600         500         60	ECQE2823□B( )	0.082	7.9	5.4	8.6	13.6	5.0	5.0	0.5		-				
ECQE2154□B()         0.15         7.9         6.3         11.2         16.2         5.0         5.0         0.5         1000           ECQE2184□B()         0.18         10.3         5.0         9.7         14.7         7.5         5.0         0.5         1500           ECQE224□B()         0.22         10.3         5.4         10.1         15.1         7.5         5.0         0.5         1500           ECQE2274□B()         0.27         10.3         5.9         10.8         15.8         7.5         5.0         0.5         1500           ECQE2334□B()         0.33         10.3         6.4         11.3         16.3         7.5         5.0         0.5         1000         1000         5.0         0.6         1000         1000         5.0         0.6         1000         <	ECQE2104□B( )	0.10	7.9	5.9	9.0	14.0	5.0	5.0	0.5						
ECQE2184□B()       0.18       10.3       5.0       9.7       14.7       7.5       5.0       0.5       1500       1500       500         ECQE224□B()       0.22       10.3       5.4       10.1       15.1       7.5       5.0       0.5       1500       1500       500         ECQE2274□B()       0.27       10.3       5.9       10.8       15.8       7.5       5.0       0.5       160       1000	ECQE2124□B( )	0.12	7.9	5.7	10.6	15.6	5.0	5.0	0.5						
ECQE224□B( ) 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE2274□B( ) 0.27 10.3 5.9 10.8 15.8 7.5 5.0 0.5  ECQE2334□B( ) 0.33 10.3 6.4 11.3 16.3 7.5 5.0 0.5  ECQE2394□B( ) 0.39 12.3 5.7 10.9 15.9 10.0 5.0 0.6  ECQE2474□B( ) 0.47 12.3 6.2 11.4 16.4 10.0 5.0 0.6  ECQE2564□B( ) 0.56 12.3 6.7 11.9 16.9 10.0 5.0 0.6  ECQE2684□B( ) 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE2824□B( ) 0.82 15.3 6.3 13.3 18.3 12.5 5.0 0.6  ECQE2824□B( ) 0.82 15.3 7.0 14.0 19.0 12.5 5.0 0.6  ECQE2155□B( ) 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2155□B( ) 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE2185□B( ) 1.8 20.8 7.6 14.6 19.6 17.5 10.0 0.8  ECQE225□B( ) 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE225□B( ) 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8  ECQE2235□B( ) 3.3 20.8 10.5 17.9 22.9 17.5 10.0 0.8  ECQE2335□B( ) 3.9 20.8 10.8 19.8 24.8 17.5 10.0 0.8	ECQE2154□B( )	0.15	7.9	6.3	11.2	16.2	5.0	5.0	0.5						
ECQE2224□B() 0.22 10.3 5.4 10.1 15.1 7.5 5.0 0.5  ECQE2274□B() 0.27 10.3 5.9 10.8 15.8 7.5 5.0 0.5  ECQE2334□B() 0.33 10.3 6.4 11.3 16.3 7.5 5.0 0.5  ECQE2394□B() 0.39 12.3 5.7 10.9 15.9 10.0 5.0 0.6  ECQE2474□B() 0.47 12.3 6.2 11.4 16.4 10.0 5.0 0.6  ECQE2564□B() 0.56 12.3 6.7 11.9 16.9 10.0 5.0 0.6  ECQE2684□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE2684□B() 0.82 15.3 6.3 13.3 18.3 12.5 5.0 0.6  ECQE2105□B() 1.0 15.3 7.0 14.0 19.0 12.5 5.0 0.6  ECQE2125□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2155□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE2185□B() 1.8 20.8 7.6 14.6 19.6 17.5 10.0 0.8  ECQE225□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE2275□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8  ECQE2335□B() 3.3 20.8 10.5 17.9 22.9 17.5 10.0 0.8  ECQE2335□B() 3.9 20.8 10.8 19.8 24.8 17.5 10.0 0.8	ECQE2184□B( )	0.18	10.3	5.0	9.7	14.7	7.5	5.0	0.5						
ECQE2334□B()       0.33       10.3       6.4       11.3       16.3       7.5       5.0       0.5         ECQE2394□B()       0.39       12.3       5.7       10.9       15.9       10.0       5.0       0.6         ECQE2474□B()       0.47       12.3       6.2       11.4       16.4       10.0       5.0       0.6         ECQE2564□B()       0.56       12.3       6.7       11.9       16.9       10.0       5.0       0.6         ECQE2684□B()       0.68       12.3       7.3       12.7       17.7       10.0       5.0       0.6         ECQE2824□B()       0.82       15.3       6.3       13.3       18.3       12.5       5.0       0.6         ECQE2105□B()       1.0       15.3       7.0       14.0       19.0       12.5       5.0       0.6         ECQE2125□B()       1.2       15.3       7.6       14.6       19.6       12.5       5.0       0.6         ECQE2185□B()       1.5       15.3       8.6       15.7       20.7       12.5       5.0       0.6         ECQE2185□B()       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8 <td>ECQE2224□B( )</td> <td>0.22</td> <td>10.3</td> <td>5.4</td> <td>10.1</td> <td>15.1</td> <td>7.5</td> <td>5.0</td> <td>0.5</td>	ECQE2224□B( )	0.22	10.3	5.4	10.1	15.1	7.5	5.0	0.5						
ECQE2394□B()       0.39       12.3       5.7       10.9       15.9       10.0       5.0       0.6         ECQE2474□B()       0.47       12.3       6.2       11.4       16.4       10.0       5.0       0.6         ECQE2564□B()       0.56       12.3       6.7       11.9       16.9       10.0       5.0       0.6         ECQE2684□B()       0.68       12.3       7.3       12.7       17.7       10.0       5.0       0.6         ECQE2824□B()       0.82       15.3       6.3       13.3       18.3       12.5       5.0       0.6         ECQE2105□B()       1.0       15.3       7.0       14.0       19.0       12.5       5.0       0.6         ECQE2125□B()       1.2       15.3       7.6       14.6       19.6       12.5       5.0       0.6         ECQE2155□B()       1.5       15.3       8.6       15.7       20.7       12.5       5.0       0.6         ECQE2185□B()       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8         ECQE225□B()       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8 <td>ECQE2274□B( )</td> <td>0.27</td> <td>10.3</td> <td>5.9</td> <td>10.8</td> <td>15.8</td> <td>7.5</td> <td>5.0</td> <td>0.5</td> <td></td>	ECQE2274□B( )	0.27	10.3	5.9	10.8	15.8	7.5	5.0	0.5						
ECQE2394□B()       0.39       12.3       5.7       10.9       15.9       10.0       5.0       0.6         ECQE2474□B()       0.47       12.3       6.2       11.4       16.4       10.0       5.0       0.6         ECQE2564□B()       0.56       12.3       6.7       11.9       16.9       10.0       5.0       0.6         ECQE2684□B()       0.68       12.3       7.3       12.7       17.7       10.0       5.0       0.6         ECQE2824□B()       0.82       15.3       6.3       13.3       18.3       12.5       5.0       0.6         ECQE2105□B()       1.0       15.3       7.0       14.0       19.0       12.5       5.0       0.6         ECQE2155□B()       1.2       15.3       7.6       14.6       19.6       12.5       5.0       0.6         ECQE2155□B()       1.5       15.3       8.6       15.7       20.7       12.5       5.0       0.6         ECQE2185□B()       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8         ECQE2255□B()       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8 </td <td>ECQE2334□B( )</td> <td>0.33</td> <td>10.3</td> <td>6.4</td> <td>11.3</td> <td>16.3</td> <td>7.5</td> <td>5.0</td> <td>0.5</td> <td></td>	ECQE2334□B( )	0.33	10.3	6.4	11.3	16.3	7.5	5.0	0.5						
ECQE25474□B() 0.47 12.3 6.2 11.4 16.4 10.0 5.0 0.6  ECQE2564□B() 0.56 12.3 6.7 11.9 16.9 10.0 5.0 0.6  ECQE2684□B() 0.68 12.3 7.3 12.7 17.7 10.0 5.0 0.6  ECQE2824□B() 0.82 15.3 6.3 13.3 18.3 12.5 5.0 0.6  ECQE2105□B() 1.0 15.3 7.0 14.0 19.0 12.5 5.0 0.6  ECQE2125□B() 1.2 15.3 7.6 14.6 19.6 12.5 5.0 0.6  ECQE2125□B() 1.5 15.3 8.6 15.7 20.7 12.5 5.0 0.6  ECQE2185□B() 1.8 20.8 7.6 14.6 19.6 17.5 10.0 0.8  ECQE2285□B() 2.2 20.8 8.4 15.6 20.6 17.5 10.0 0.8  ECQE2275□B() 2.7 20.8 9.3 16.7 21.7 17.5 10.0 0.8  ECQE2335□B() 3.3 20.8 10.5 17.9 22.9 17.5 10.0 0.8  ECQE2395□B() 3.9 20.8 10.8 19.8 24.8 17.5 10.0 0.8	ECQE2394□B( )	0.39	12.3	5.7	10.9	15.9	10.0	5.0	0.6	1000					
ECQE2684□B()       0.68       12.3       7.3       12.7       17.7       10.0       5.0       0.6       900         ECQE2824□B()       0.82       15.3       6.3       13.3       18.3       12.5       5.0       0.6       600       500         ECQE2105□B()       1.0       15.3       7.0       14.0       19.0       12.5       5.0       0.6       500       400         ECQE2125□B()       1.2       15.3       7.6       14.6       19.6       12.5       5.0       0.6       400       300         ECQE2185□B()       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8       -       400       300         ECQE2225□B()       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8       -       400         ECQE2275□B()       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8       -       -       300         ECQE2335□B()       3.9       20.8       10.8       19.8       24.8       17.5       10.0       0.8       -       -       300	ECQE2474□B( )	0.47	12.3	6.2	11.4	16.4	10.0	5.0	0.6	1000					
ECQE2824□B()       0.82       15.3       6.3       13.3       18.3       12.5       5.0       0.6         ECQE2105□B()       1.0       15.3       7.0       14.0       19.0       12.5       5.0       0.6         ECQE2125□B()       1.2       15.3       7.6       14.6       19.6       12.5       5.0       0.6         ECQE2155□B()       1.5       15.3       8.6       15.7       20.7       12.5       5.0       0.6         ECQE2185□B()       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8         ECQE2225□B()       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8         ECQE2275□B()       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8         ECQE2335□B()       3.3       20.8       10.5       17.9       22.9       17.5       10.0       0.8         ECQE2395□B()       3.9       20.8       10.8       19.8       24.8       17.5       10.0       0.8	ECQE2564□B( )	0.56	12.3	6.7	11.9	16.9	10.0	5.0	0.6						
ECQE2105□B()       1.0       15.3       7.0       14.0       19.0       12.5       5.0       0.6         ECQE2125□B()       1.2       15.3       7.6       14.6       19.6       12.5       5.0       0.6         ECQE2155□B()       1.5       15.3       8.6       15.7       20.7       12.5       5.0       0.6         ECQE2185□B()       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8         ECQE2225□B()       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8         ECQE2275□B()       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8         ECQE2335□B()       3.3       20.8       10.5       17.9       22.9       17.5       10.0       0.8         ECQE2395□B()       3.9       20.8       10.8       19.8       24.8       17.5       10.0       0.8	ECQE2684□B( )	0.68	12.3	7.3	12.7	17.7	10.0	5.0	0.6			900			
ECQE2125□B( )       1.2       15.3       7.6       14.6       19.6       12.5       5.0       0.6         ECQE2155□B( )       1.5       15.3       8.6       15.7       20.7       12.5       5.0       0.6         ECQE2185□B( )       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8         ECQE225□B( )       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8         ECQE2275□B( )       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8         ECQE2335□B( )       3.3       20.8       10.5       17.9       22.9       17.5       10.0       0.8         ECQE2395□B( )       3.9       20.8       10.8       19.8       24.8       17.5       10.0       0.8	ECQE2824□B( )	0.82	15.3	6.3	13.3	18.3	12.5	5.0	0.6		600	500			
ECQE2125□B()       1.2       15.3       7.6       14.6       19.6       12.5       5.0       0.6         ECQE2155□B()       1.5       15.3       8.6       15.7       20.7       12.5       5.0       0.6         ECQE2185□B()       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8         ECQE2225□B()       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8         ECQE2275□B()       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8         ECQE2335□B()       3.3       20.8       10.5       17.9       22.9       17.5       10.0       0.8         ECQE2395□B()       3.9       20.8       10.8       19.8       24.8       17.5       10.0       0.8	ECQE2105□B( )	1.0	15.3	7.0	14.0	19.0	12.5	5.0	0.6		500	400			
ECQE2185□B()       1.8       20.8       7.6       14.6       19.6       17.5       10.0       0.8       -       400         ECQE2225□B()       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8       -       400         ECQE2275□B()       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8       -       300         ECQE2335□B()       3.9       20.8       10.8       19.8       24.8       17.5       10.0       0.8       -       300	ECQE2125□B( )	1.2	15.3	7.6	14.6	19.6	12.5	5.0	0.6		300	400			
ECQE2225□B()       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8         ECQE2275□B()       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8         ECQE2335□B()       3.3       20.8       10.5       17.9       22.9       17.5       10.0       0.8         ECQE2395□B()       3.9       20.8       10.8       19.8       24.8       17.5       10.0       0.8	ECQE2155□B( )	1.5	15.3	8.6	15.7	20.7	12.5	5.0	0.6		400	300			
ECQE2225□B( )       2.2       20.8       8.4       15.6       20.6       17.5       10.0       0.8         ECQE2275□B( )       2.7       20.8       9.3       16.7       21.7       17.5       10.0       0.8         ECQE2335□B( )       3.3       20.8       10.5       17.9       22.9       17.5       10.0       0.8         ECQE2395□B( )       3.9       20.8       10.8       19.8       24.8       17.5       10.0       0.8	ECQE2185□B( )	1.8	20.8	7.6	14.6	19.6	17.5	10.0	0.8			400			
ECQE2335□B( )     3.3     20.8     10.5     17.9     22.9     17.5     10.0     0.8       ECQE2395□B( )     3.9     20.8     10.8     19.8     24.8     17.5     10.0     0.8	ECQE2225□B( )	2.2	20.8	8.4	15.6	20.6	17.5	10.0	0.8	-		400			
ECQE2395□B( ) 3.9 20.8 10.8 19.8 24.8 17.5 10.0 0.8	ECQE2275□B( )	2.7	20.8	9.3	16.7	21.7	17.5	10.0	0.8						
	ECQE2335□B( )	3.3	20.8	10.5	17.9	22.9	17.5	10.0	0.8		_	300			
ECQE2475□B( ) 4.7 20.8 11.9 21.0 26.0 17.5 10.0 0.8 200	ECQE2395□B( )	3.9	20.8	10.8	19.8	24.8	17.5	10.0	0.8						
	ECQE2475□B( )	4.7	20.8	11.9	21.0	26.0	17.5	10.0	0.8			200			

lacktriangleright : Capacitance tolerance code

Style D : 0.010 μF to 0.68 μF Style B : 0.82 μF to 4.7 μF

<sup>():</sup> Suffix for lead crimped or taped type



#### Rating · Dimensions · Quantity

• Rated voltage: 125 V.AC, Capacitance tolerance: ± 5 %(J), ±10 %(K)

Part No.   Cap (μF)	Thatea vertage:	Dimensions (mm)									Min. order Q'ty			
Compact   Comp	Part No				Нm	nax.	F	S						
ECQE1A123□B() 0.012 7.9 4.2 7.1 ECQE1A183□B() 0.015 7.9 4.2 7.1 ECQE1A183□B() 0.018 7.9 4.3 7.2 ECQE1A223□B() 0.022 7.9 4.3 7.2 ECQE1A233□B() 0.027 7.9 4.3 7.2 ECQE1A333□B() 0.033 7.9 4.3 7.2 ECQE1A333□B() 0.033 7.9 4.3 7.2 ECQE1A333□B() 0.039 7.9 4.5 7.4 ECQE1A333□B() 0.066 7.9 5.1 8.0 ECQE1A473□B() 0.066 7.9 5.1 8.0 ECQE1A683□B() 0.068 7.9 5.4 8.6 ECQE1ABB() 0.082 10.3 4.6 7.6 12.6 7.5 7.5 0.5 ECQE1A124□B() 0.10 10.3 5.1 7.7 12.7 7.5 7.5 0.5 ECQE1A124□B() 0.10 10.3 5.3 8.4 13.4 7.5 7.5 0.5 ECQE1A184□B() 0.15 10.3 5.7 8.9 13.9 7.5 7.5 0.5 ECQE1A224□B() 0.27 12.3 5.4 10.7 15.7 10.0 7.5 0.6 ECQE1A224□B() 0.27 12.3 5.4 10.7 15.7 10.0 7.5 0.6 ECQE1A334□B() 0.33 12.3 5.9 11.2 16.2 10.0 7.5 0.6 ECQE1A343□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6 ECQE1A456□B() 0.7 12.3 7.0 12.2 17.2 10.0 7.5 0.6 ECQE1A684□B() 0.7 12.3 7.0 12.7 17.7 10.0 7.5 0.6 ECQE1A684□B() 0.7 12.3 7.0 12.2 17.2 10.0 7.5 0.6 ECQE1A684□B() 0.7 12.3 7.0 12.2 17.2 10.0 7.5 0.6 ECQE1A684□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6 ECQE1A684□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6 ECQE1A155□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8 ECQE1A155□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A155□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A25□B() 1.5 20.8 8.7 15.9 20.9 17.5 10.0 0.8 ECQE1A335□B() 1.8 20.8 8.7 15.9 20.9 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A25□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A25□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A25□B() 3.3 25.8 9.6 18.7 23.7 22.5 15.0 0.8 ECQE1A335□B() 3.3 25.8 9.6 18.7 23.7 22.5 15.0 0.8	r art no.	(µF)	L max.	T max.	Straight		Straight		<i>φ</i> d				Bulk	
ECQE1A153□B() 0.015 7.9 4.2 7.1	ECQE1A103□B( )	0.010	7.9	4.2	7.1		5.0		0.5					
ECQE1A183□B() 0.018 7.9 4.3 7.2 5.0 5.0 0.5 ECQE1A233□B() 0.027 7.9 4.3 7.2 5.0 0.5 ECQE1A333□B() 0.033 7.9 4.3 7.2 5.0 0.5 ECQE1A6333□B() 0.034 7.9 4.8 7.7 5.0 0.5 ECQE1A633□B() 0.047 7.9 4.8 7.7 5.0 0.5 ECQE1A633□B() 0.082 10.3 4.6 7.6 12.6 7.5 7.5 0.5 ECQE1A633□B() 0.082 10.3 4.6 7.7 12.7 7.5 7.5 0.5 ECQE1A104□B() 0.10 10.3 5.1 7.7 12.7 7.5 7.5 0.5 ECQE1A1823□B() 0.010 10.3 5.1 7.7 12.7 7.5 7.5 0.5 ECQE1A184□B() 0.12 10.3 5.3 8.4 13.4 7.5 7.5 0.5 ECQE1A184□B() 0.15 10.3 5.6 10.3 15.3 7.5 7.5 0.5 ECQE1A184□B() 0.18 10.3 5.6 10.3 15.3 7.5 7.5 0.5 ECQE1A184□B() 0.18 10.3 5.6 10.3 15.3 7.5 7.5 0.5 ECQE1A184□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5 ECQE1A184□B() 0.27 12.3 5.4 10.7 15.7 10.0 7.5 0.6 ECQE1A394□B() 0.33 12.3 5.9 11.2 16.2 10.0 7.5 0.6 ECQE1A394□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6 ECQE1A394□B() 0.37 12.3 7.0 12.2 17.2 10.0 7.5 0.6 ECQE1A474□B() 0.47 12.3 7.0 12.2 17.2 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.0 11.9 18.9 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.0 11.9 18.9 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.0 11.9 18.9 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.0 11.9 18.9 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.0 11.9 18.9 10.0 7.5 0.6 ECQE1A684□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6 ECQE1A684□B() 1.0 15.3 7.0 14.0 19.0 12.5 7.5 0.6 ECQE1A185□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8 ECQE1A185□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8 ECQE1A125□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8 ECQE1A125□B() 1.2 20.8 8.7 15.9 20.9 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A275□B() 2.3 20.8 10.9 18.2 23.2 17.5 10.0 0.8 ECQE1A275□B()	ECQE1A123□B( )	0.012	7.9	4.2	7.1		5.0		0.5					
ECQE1A223□B() 0.022 7.9 4.3 7.2 5.0 5.0 0.5 ECQE1A273□B() 0.027 7.9 4.3 7.2 5.0 0.5 0.5 ECQE1A393□B() 0.039 7.9 4.3 7.2 5.0 0.5 0.5 0.5 ECQE1A393□B() 0.039 7.9 4.5 7.4 5.0 0.5 0.5 0.5 0.5 0.5 ECQE1A473□B() 0.047 7.9 4.8 7.7 5.0 0.5 0.5 ECQE1A473□B() 0.068 7.9 5.1 8.0 5.0 0.5 ECQE1A883□B() 0.068 7.9 5.4 8.6 5.0 0.5 ECQE1A883□B() 0.082 10.3 4.6 7.6 12.6 7.5 7.5 0.5 0.5 ECQE1A164□B() 0.10 10.3 5.1 7.7 12.7 7.5 7.5 0.5 0.5 ECQE1A154□B() 0.12 10.3 5.3 8.4 13.4 7.5 7.5 0.5 ECQE1A164□B() 0.15 10.3 5.7 8.9 13.9 7.5 7.5 0.5 ECQE1A184□B() 0.15 10.3 5.7 8.9 13.9 7.5 7.5 0.5 ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5 0.5 ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5 0.5 ECQE1A394□B() 0.39 12.3 5.4 10.7 15.7 10.0 7.5 0.6 ECQE1A394□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6 ECQE1A394□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.0 12.2 17.2 10.0 7.5 0.6 ECQE1A684□B() 0.55 12.3 6.4 11.4 19.1 17.5 10.0 0.8 ECQE1A684□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6 ECQE1A684□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6 ECQE1A684□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6 ECQE1A684□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6 ECQE1A155□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8 ECQE1A155□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8 ECQE1A155□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.7 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.7 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8	ECQE1A153□B( )	0.015	7.9	4.2	7.1		5.0		0.5					
ECQE1A273□B() 0.027 7.9 4.3 7.2 5.0 5.0 0.5 ECQE1A333□B() 0.033 7.9 4.3 7.2 5.0 5.0 0.5 ECQE1A333□B() 0.039 7.9 4.5 7.4 5.0 0.5 0.5 ECQE1A473□B() 0.047 7.9 4.8 7.7 5.0 0.5 ECQE1A683□B() 0.068 7.9 5.1 8.0 5.0 0.5 ECQE1A683□B() 0.082 10.3 4.6 7.6 12.6 7.5 7.5 0.5 ECQE1AB23□B() 0.10 10.3 5.1 7.7 12.7 7.5 7.5 0.5 ECQE1A154□B() 0.12 10.3 5.3 8.4 13.4 7.5 7.5 0.5 ECQE1A154□B() 0.15 10.3 5.7 8.9 13.9 7.5 7.5 0.5 ECQE1A154□B() 0.15 10.3 5.7 8.9 13.9 7.5 7.5 0.5 ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5 ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5 ECQE1A233□B() 0.39 12.3 5.4 10.7 15.7 10.0 7.5 0.6 ECQE1A334□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6 ECQE1A334□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6 ECQE1A39□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6 ECQE1A684□B() 0.56 12.3 6.7 11.9 16.9 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A842□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A884□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A884□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A684□B() 0.56 12.3 6.7 11.9 16.9 10.0 7.5 0.6 ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6 ECQE1A684□B() 0.8 15.3 7.0 14.0 19.0 12.5 7.5 0.6 ECQE1A684□B() 0.8 15.3 7.0 14.0 19.0 12.5 7.5 0.6 ECQE1A155□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8 ECQE1A155□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A155□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A155□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.2 20.8 9.7 17.1 12.1 17.5 10.0 0.8 ECQE1A25□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8 ECQE1A25□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8 ECQE1A25□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8 ECQE1A25□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8 ECQE1A335□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8 ECQE1A335□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8 ECQE1A335□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8 ECQE1A335□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8 ECQE1A335□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8 ECQE1A33	ECQE1A183□B( )	0.018	7.9	4.3	7.2		5.0		0.5	2000				
ECQE1A333□B()         0.033         7.9         4.3         7.2         5.0         0.5         -	ECQE1A223□B( )	0.022	7.9	4.3	7.2		5.0		0.5					
ECQE1A393□B()         0.039         7.9         4.5         7.4         5.0         0.5         -	ECQE1A273□B( )	0.027	7.9	4.3	7.2	_	5.0	_	0.5			_		
ECQE1A473□B( ) 0.047 7.9 4.8 7.7 5.0 0.5	ECQE1A333□B( )	0.033	7.9	4.3	7.2		5.0		0.5					
ECQE1A563□B() 0.056 7.9 5.1 8.0 5.0 0.5  ECQE1A683□B() 0.068 7.9 5.4 8.6 5.0 0.5  ECQE1A823□B() 0.082 10.3 4.6 7.6 12.6 7.5 7.5 0.5  ECQE1A104□B() 0.10 10.3 5.1 7.7 12.7 7.5 7.5 0.5  ECQE1A124□B() 0.12 10.3 5.3 8.4 13.4 7.5 7.5 0.5  ECQE1A154□B() 0.15 10.3 5.7 8.9 13.9 7.5 7.5 0.5  ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5  ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5  ECQE1A234□B() 0.33 12.3 5.9 11.2 16.2 10.0 7.5 0.6  ECQE1A334□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6  ECQE1A394□B() 0.47 12.3 7.0 12.2 17.2 10.0 7.5 0.6  ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6  ECQE1A684□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6  ECQE1A824□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6  ECQE1A185□B() 1.0 15.3 7.0 14.0 19.0 12.5 7.5 0.6  ECQE1A185□B() 1.12 20.8 7.1 14.1 19.1 17.5 10.0 0.8  ECQE1A125□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8  ECQE1A225□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8  ECQE1A25□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8  ECQE1A335□B() 3.3 25.8 9.6 18.7 23.7 22.5 15.0 0.8  ECQE1A335□B() 3.3 25.8 9.6 18.7 23.7 22.5 15.0 0.8  ECQE1A335□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8	ECQE1A393□B( )	0.039	7.9	4.5	7.4		5.0		0.5					
ECQE1A683□B() 0.068 7.9 5.4 8.6 5.0 0.5  ECQE1A823□B() 0.082 10.3 4.6 7.6 12.6 7.5 7.5 0.5  ECQE1A104□B() 0.10 10.3 5.1 7.7 12.7 7.5 7.5 0.5  ECQE1A124□B() 0.12 10.3 5.3 8.4 13.4 7.5 7.5 0.5  ECQE1A184B() 0.15 10.3 5.7 8.9 13.9 7.5 7.5 0.5  ECQE1A184□B() 0.18 10.3 5.6 10.3 15.3 7.5 7.5 0.5  ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5  ECQE1A224□B() 0.27 12.3 5.4 10.7 15.7 10.0 7.5 0.6  ECQE1A334□B() 0.33 12.3 5.9 11.2 16.2 10.0 7.5 0.6  ECQE1A334□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6  ECQE1A394□B() 0.56 12.3 6.7 11.9 16.9 10.0 7.5 0.6  ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6  ECQE1A824□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6  ECQE1A824□B() 1.0 15.3 7.0 14.0 19.0 12.5 7.5 0.6  ECQE1A155□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8  ECQE1A188□B() 1.8 20.8 8.7 15.9 20.9 17.5 10.0 0.8  ECQE1A225□B() 1.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8  ECQE1A225□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8  ECQE1A225□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8  ECQE1A225□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8  ECQE1A235□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8  ECQE1A335□B() 3.3 25.8 9.6 18.7 23.7 22.5 15.0 0.8  ECQE1A335□B() 3.3 25.8 9.6 18.7 23.7 22.5 15.0 0.8	ECQE1A473□B( )	0.047	7.9	4.8	7.7		5.0		0.5		_		500	
ECQE1A823□B() 0.082 10.3 4.6 7.6 12.6 7.5 7.5 0.5	ECQE1A563□B( )	0.056	7.9	5.1	8.0		5.0		0.5			1500		
ECQE1A104□B() 0.10 10.3 5.1 7.7 12.7 7.5 7.5 0.5  ECQE1A124□B() 0.12 10.3 5.3 8.4 13.4 7.5 7.5 0.5  ECQE1A154□B() 0.15 10.3 5.7 8.9 13.9 7.5 7.5 0.5  ECQE1A184□B() 0.18 10.3 5.6 10.3 15.3 7.5 7.5 0.5  ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.5  ECQE1A224□B() 0.22 10.3 5.4 10.7 15.7 10.0 7.5 0.6  ECQE1A334□B() 0.33 12.3 5.9 11.2 16.2 10.0 7.5 0.6  ECQE1A394□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6  ECQE1A394□B() 0.56 12.3 7.0 12.2 17.2 10.0 7.5 0.6  ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6  ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6  ECQE1A105□B() 1.0 15.3 7.0 14.0 19.0 12.5 7.5 0.6  ECQE1A105□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8  ECQE1A125□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8  ECQE1A125□B() 1.8 20.8 8.7 15.9 20.9 17.5 10.0 0.8  ECQE1A25□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8  ECQE1A25□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8  ECQE1A25□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8  ECQE1A335□B() 3.3 25.8 9.6 18.7 23.7 22.5 15.0 0.8  ECQE1A335□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8	ECQE1A683□B( )	0.068	7.9	5.4	8.6		5.0		0.5	1500				
ECQE1A124□B()       0.12       10.3       5.3       8.4       13.4       7.5       7.5       0.5         ECQE1A154□B()       0.15       10.3       5.7       8.9       13.9       7.5       7.5       0.5         ECQE1A224□B()       0.22       10.3       6.1       11.0       16.0       7.5       7.5       0.5         ECQE1A274□B()       0.22       10.3       6.1       11.0       16.0       7.5       7.5       0.5       1000         ECQE1A274□B()       0.27       12.3       5.4       10.7       15.7       10.0       7.5       0.6       800         ECQE1A334□B()       0.33       12.3       5.9       11.2       16.2       10.0       7.5       0.6       600       700         ECQE1A394□B()       0.39       12.3       6.4       11.6       16.6       10.0       7.5       0.6       600       700         ECQE1A474□B()       0.47       12.3       7.0       12.2       17.2       10.0       7.5       0.6       600       500       900         ECQE1A564□B()       0.68       12.3       7.3       12.7       17.7       10.0       7.5       0.6       500       900	ECQE1A823□B( )	0.082	10.3	4.6	7.6	12.6	7.5	7.5	0.5					
ECQE1A154□B()         0.15         10.3         5.7         8.9         13.9         7.5         7.5         0.5           ECQE1A224□B()         0.22         10.3         6.1         11.0         16.0         7.5         7.5         0.5           ECQE1A224□B()         0.22         10.3         6.1         11.0         16.0         7.5         7.5         0.5         1000           ECQE1A274□B()         0.27         12.3         5.4         10.7         15.7         10.0         7.5         0.6         800           ECQE1A334□B()         0.33         12.3         5.9         11.2         16.2         10.0         7.5         0.6         600         700           ECQE1A394□B()         0.39         12.3         6.4         11.6         16.6         10.0         7.5         0.6         600         700           ECQE1A474□B()         0.47         12.3         7.0         12.2         17.2         10.0         7.5         0.6         600         1000           ECQE1A564□B()         0.68         12.3         6.7         11.9         16.9         10.0         7.5         0.6         600         1000           ECQE1A824□B() <t< td=""><td>ECQE1A104□B( )</td><td></td><td>10.3</td><td>5.1</td><td>7.7</td><td>12.7</td><td></td><td></td><td>0.5</td><td rowspan="7">1000</td></t<>	ECQE1A104□B( )		10.3	5.1	7.7	12.7			0.5			1000		
ECQE1A184□B()       0.18       10.3       5.6       10.3       15.3       7.5       7.5       0.5       1000       1000       500         ECQE1A224□B()       0.22       10.3       6.1       11.0       16.0       7.5       7.5       0.5       1000       1000       500         ECQE1A274□B()       0.27       12.3       5.4       10.7       15.7       10.0       7.5       0.6       800       700       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600        1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       1000       600       500       900       <	ECQE1A124□B( )	0.12	10.3	5.3	8.4	13.4	7.5	7.5	0.5					
ECQE1A224□B()       0.22       10.3       6.1       11.0       16.0       7.5       7.5       0.5       1000       1000       500         ECQE1A274□B()       0.27       12.3       5.4       10.7       15.7       10.0       7.5       0.6       800       700       600       600       600       700       600       600       600       700       600       500       600       600       500 <td>ECQE1A154□B( )</td> <td>0.15</td> <td>10.3</td> <td>5.7</td> <td>8.9</td> <td>13.9</td> <td>7.5</td> <td>7.5</td> <td>0.5</td>	ECQE1A154□B( )	0.15	10.3	5.7	8.9	13.9	7.5	7.5	0.5					
ECQE1A224□B() 0.22 10.3 6.1 11.0 16.0 7.5 7.5 0.6 1000    ECQE1A334□B() 0.33 12.3 5.4 10.7 15.7 10.0 7.5 0.6    ECQE1A334□B() 0.33 12.3 5.9 11.2 16.2 10.0 7.5 0.6    ECQE1A394□B() 0.39 12.3 6.4 11.6 16.6 10.0 7.5 0.6    ECQE1A474□B() 0.47 12.3 7.0 12.2 17.2 10.0 7.5 0.6    ECQE1A564□B() 0.56 12.3 6.7 11.9 16.9 10.0 7.5 0.6    ECQE1A684□B() 0.68 12.3 7.3 12.7 17.7 10.0 7.5 0.6    ECQE1A824□B() 0.82 15.3 6.3 13.3 18.3 12.5 7.5 0.6    ECQE1A105□B() 1.0 15.3 7.0 14.0 19.0 12.5 7.5 0.6    ECQE1A125□B() 1.2 20.8 7.1 14.1 19.1 17.5 10.0 0.8    ECQE1A155□B() 1.5 20.8 8.0 15.1 20.1 17.5 10.0 0.8    ECQE1A185□B() 1.8 20.8 8.7 15.9 20.9 17.5 10.0 0.8    ECQE1A225□B() 2.2 20.8 9.7 17.1 22.1 17.5 10.0 0.8    ECQE1A275□B() 2.7 20.8 10.9 18.2 23.2 17.5 10.0 0.8    ECQE1A335□B() 3.3 25.8 9.6 18.7 23.7 22.5 15.0 0.8    ECQE1A395□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8	ECQE1A184□B( )	0.18	10.3	5.6	10.3	15.3	7.5	7.5	0.5					
ECQE1A334□B()       0.33       12.3       5.9       11.2       16.2       10.0       7.5       0.6       700         ECQE1A394□B()       0.39       12.3       6.4       11.6       16.6       10.0       7.5       0.6       600         ECQE1A474□B()       0.47       12.3       7.0       12.2       17.2       10.0       7.5       0.6       500       900         ECQE1A564□B()       0.56       12.3       6.7       11.9       16.9       10.0       7.5       0.6       600       1000         ECQE1A684□B()       0.68       12.3       7.3       12.7       17.7       10.0       7.5       0.6       600       1000         ECQE1A824□B()       0.82       15.3       6.3       13.3       18.3       12.5       7.5       0.6       600       500       900         ECQE1A105□B()       1.0       15.3       7.0       14.0       19.0       12.5       7.5       0.6       600       500       900         ECQE1A155□B()       1.2       20.8       7.1       14.1       19.1       17.5       10.0       0.8       10.0       400       400         ECQE1A225□B()       2.2       2	ECQE1A224□B( )	0.22	10.3	6.1	11.0	16.0	7.5		0.5	1000				
ECQE1A394□B()       0.39       12.3       6.4       11.6       16.6       10.0       7.5       0.6         ECQE1A474□B()       0.47       12.3       7.0       12.2       17.2       10.0       7.5       0.6         ECQE1A564□B()       0.56       12.3       6.7       11.9       16.9       10.0       7.5       0.6         ECQE1A684□B()       0.68       12.3       7.3       12.7       17.7       10.0       7.5       0.6         ECQE1A824□B()       0.82       15.3       6.3       13.3       18.3       12.5       7.5       0.6         ECQE1A105□B()       1.0       15.3       7.0       14.0       19.0       12.5       7.5       0.6         ECQE1A125□B()       1.2       20.8       7.1       14.1       19.1       17.5       10.0       0.8         ECQE1A185□B()       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8         ECQE1A225□B()       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A335□B()       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8	ECQE1A274□B( )		12.3	5.4	10.7	15.7	10.0		0.6					
ECQE1A474□B( )       0.47       12.3       7.0       12.2       17.2       10.0       7.5       0.6         ECQE1A564□B( )       0.56       12.3       6.7       11.9       16.9       10.0       7.5       0.6         ECQE1A684□B( )       0.68       12.3       7.3       12.7       17.7       10.0       7.5       0.6         ECQE1A824□B( )       0.82       15.3       6.3       13.3       18.3       12.5       7.5       0.6         ECQE1A105□B( )       1.0       15.3       7.0       14.0       19.0       12.5       7.5       0.6         ECQE1A125□B( )       1.2       20.8       7.1       14.1       19.1       17.5       10.0       0.8         ECQE1A155□B( )       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8         ECQE1A225□B( )       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A275□B( )       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8         ECQE1A335□B( )       3.9       25.8       10.6       19.7       24.7       22.5       15.0	ECQE1A334□B( )		12.3	5.9	11.2	16.2	10.0		0.6		700			
ECQE1A564□B()       0.56       12.3       6.7       11.9       16.9       10.0       7.5       0.6         ECQE1A684□B()       0.68       12.3       7.3       12.7       17.7       10.0       7.5       0.6         ECQE1A824□B()       0.82       15.3       6.3       13.3       18.3       12.5       7.5       0.6         ECQE1A105□B()       1.0       15.3       7.0       14.0       19.0       12.5       7.5       0.6         ECQE1A125□B()       1.2       20.8       7.1       14.1       19.1       17.5       10.0       0.8         ECQE1A155□B()       1.5       20.8       8.0       15.1       20.1       17.5       10.0       0.8         ECQE1A225□B()       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8         ECQE1A225□B()       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A335□B()       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8         ECQE1A395□B()       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.	ECQE1A394□B( )		12.3	6.4		16.6	10.0		0.6		600			
ECQE1A684□B( )       0.68       12.3       7.3       12.7       17.7       10.0       7.5       0.6       500       900         ECQE1A824□B( )       0.82       15.3       6.3       13.3       18.3       12.5       7.5       0.6       600       500         ECQE1A105□B( )       1.0       15.3       7.0       14.0       19.0       12.5       7.5       0.6       500       400         ECQE1A125□B( )       1.2       20.8       7.1       14.1       19.1       17.5       10.0       0.8       500       400         ECQE1A155□B( )       1.5       20.8       8.0       15.1       20.1       17.5       10.0       0.8       600       500       400         ECQE1A185□B( )       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8       400       400         ECQE1A225□B( )       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8       300       300         ECQE1A335□B( )       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8       -       -       -         ECQE1A395□B( )       3	ECQE1A474□B( )				12.2	17.2	10.0				500	900		
ECQE1A824□B( )       0.82       15.3       6.3       13.3       18.3       12.5       7.5       0.6         ECQE1A105□B( )       1.0       15.3       7.0       14.0       19.0       12.5       7.5       0.6         ECQE1A125□B( )       1.2       20.8       7.1       14.1       19.1       17.5       10.0       0.8         ECQE1A155□B( )       1.5       20.8       8.0       15.1       20.1       17.5       10.0       0.8         ECQE1A185□B( )       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8         ECQE1A225□B( )       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A275□B( )       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8         ECQE1A335□B( )       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8         ECQE1A395□B( )       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.8       -       -       -	ECQE1A564□B( )					16.9	10.0				600	1000		
ECQE1A105□B( )       1.0       15.3       7.0       14.0       19.0       12.5       7.5       0.6         ECQE1A125□B( )       1.2       20.8       7.1       14.1       19.1       17.5       10.0       0.8         ECQE1A155□B( )       1.5       20.8       8.0       15.1       20.1       17.5       10.0       0.8         ECQE1A185□B( )       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8         ECQE1A225□B( )       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A275□B( )       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8         ECQE1A335□B( )       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8         ECQE1A395□B( )       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.8	ECQE1A684□B( )	0.68	12.3	7.3	12.7	17.7	10.0		0.6		500	900		
ECQE1A125□B( )       1.2       20.8       7.1       14.1       19.1       17.5       10.0       0.8         ECQE1A155□B( )       1.5       20.8       8.0       15.1       20.1       17.5       10.0       0.8         ECQE1A185□B( )       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8         ECQE1A225□B( )       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A275□B( )       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8         ECQE1A335□B( )       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8         ECQE1A395□B( )       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.8       -       -       -	ECQE1A824□B( )	0.82	15.3	6.3	13.3	18.3	12.5	7.5	0.6		600	500		
ECQE1A155□B( )       1.5       20.8       8.0       15.1       20.1       17.5       10.0       0.8         ECQE1A185□B( )       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8         ECQE1A225□B( )       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A275□B( )       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8       300         ECQE1A335□B( )       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8       -       -       -         ECQE1A395□B( )       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.8       -       -       -	ECQE1A105□B( )	1.0	15.3	7.0	14.0	19.0	12.5	7.5	0.6		500	400		
ECQE1A155□B()       1.5       20.8       8.0       15.1       20.1       17.5       10.0       0.8       400         ECQE1A185□B()       1.8       20.8       8.7       15.9       20.9       17.5       10.0       0.8       400         ECQE1A225□B()       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8       300         ECQE1A275□B()       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8       300         ECQE1A335□B()       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8       -       -       -         ECQE1A395□B()       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.8       -       -       -	ECQE1A125□B( )	1.2	20.8	7.1	14.1	19.1	17.5	10.0	0.8		500			
ECQE1A225□B( )       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A275□B( )       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8         ECQE1A335□B( )       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8         ECQE1A395□B( )       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.8       -       -       -	ECQE1A155□B( )	1.5	20.8	8.0	15.1	20.1	17.5	10.0	0.8		500	400		
ECQE1A225□B()       2.2       20.8       9.7       17.1       22.1       17.5       10.0       0.8         ECQE1A275□B()       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8       300         ECQE1A335□B()       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8         ECQE1A395□B()       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.8       -       -       -	ECQE1A185□B()	1.8	20.8	8.7	15.9	20.9	17.5	10.0	0.8		400			
ECQE1A275□B( )       2.7       20.8       10.9       18.2       23.2       17.5       10.0       0.8       300         ECQE1A335□B( )       3.3       25.8       9.6       18.7       23.7       22.5       15.0       0.8         ECQE1A395□B( )       3.9       25.8       10.6       19.7       24.7       22.5       15.0       0.8       -       -	ECQE1A225□B( )	2.2	20.8	9.7	17.1	22.1	17.5	10.0	0.8		400	300		
ECQE1A395□B() 3.9 25.8 10.6 19.7 24.7 22.5 15.0 0.8	ECQE1A275□B()	2.7	20.8	10.9	18.2	23.2	17.5	10.0	0.8		300			
	ECQE1A335□B()	3.3	25.8	9.6	18.7	23.7	22.5	15.0	0.8					
ECQE1A475□B( ) 4.7 25.8 11.8 20.8 25.8 22.5 15.0 0.8	ECQE1A395□B()	3.9	25.8	10.6	19.7	24.7	22.5	15.0	0.8			-		
	ECQE1A475□B()	4.7	25.8	11.8	20.8	25.8	22.5	15.0	0.8					

<sup>\*</sup>  $\square$  : Capacitance tolerance code

Style D : 0.082  $\mu F$  to 0.68  $\mu F$  Style B : 0.82  $\mu F$  to 4.7  $\mu F$ 

#### 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.

- 1. Capacitor shall be connected in parallel with varistor (Specified varistor voltage in table 1.)
- 2. 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 <sub>0-P</sub>

<sup>( ) :</sup> Suffix for lead crimped or taped type