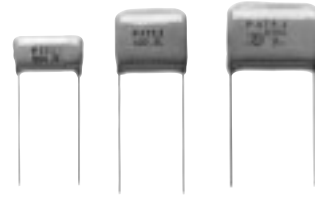


### Polypropylene Film Capacitor

Type: **ECQP(U)**

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



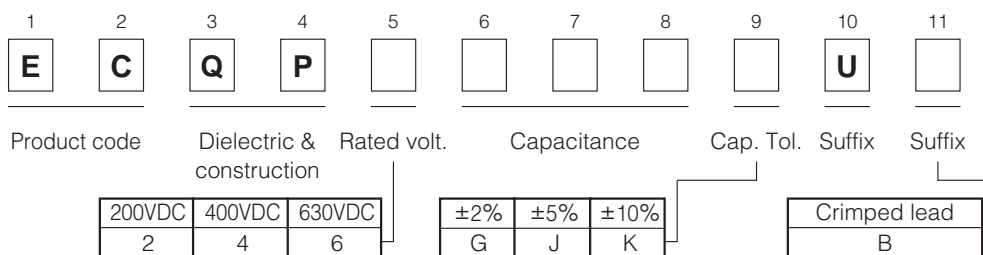
#### ■Features

- Low loss and excellent frequency characteristics
- Excellent temperature characteristics
- High insulation resistance

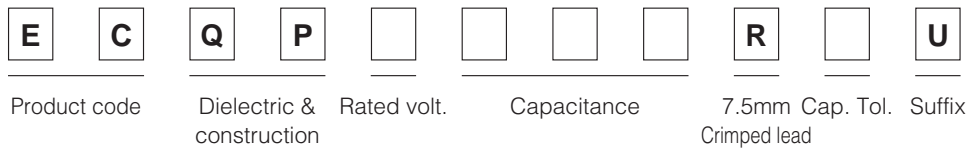
#### ■Recommended Applications

- High frequency and high current circuits
- General purpose circuit

#### ■Explanation of Part Numbers



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



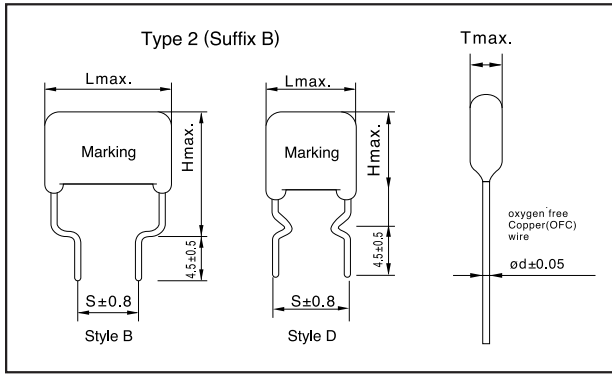
#### ■Specifications

Category temp. range (Including temperature-rise on unit surface)	-40 to +105°C
Rated voltage	200VDC, 400VDC, 630VDC (Derating of rated voltage by 2.0%/°C at more than 85°C) (Derating is required according to cap. value.)(*Refer to the following table)
Capacitance range	200V : 0.015 to 0.47μF 400V : 0.0082 to 0.47μF 630V : 0.001 to 0.1μF
Capacitance tolerance	±2%(G), ±5%(J), ±10%(K)
Dissipation factor	0.1%max. (20°C, 1kHz)
Withstand voltage	Between terminals : Rated volt.(VDC)×250% 1 to 5s
Insulation resistance	C≤0.33μF : 45000MΩmin. (20°C, 100VDC 60s) C>0.33μF : 15000MΩ . μFmin.

#### \* Derating of rated voltage to capacitance value

Cap. value (μF)	Rated volt.		
	200VDC	400VDC	630VDC
0.11—0.12	195V	390V	615V
0.13—0.15	190V	380V	600V
0.16—0.18	185V	370V	585V
0.20—0.22	180V	360V	570V
0.24—0.27	175V	350V	—
0.30—0.33	170V	340V	—
0.36—0.39	165V	320V	—
0.43—0.47	160V	300V	—

### ■Dimensions in mm(not to scale)

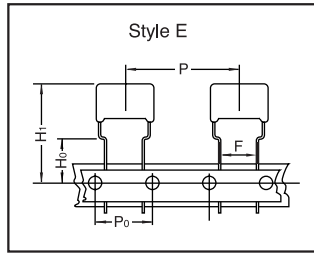


### ■Packaging Specifications for Bulk Package

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	B	C	D		E
ECQP (U)	200VDC	0.015 to 0.068						○	Ammo
	400VDC	0.0082 to 0.15						○	Ammo
	630VDC	0.001 to 0.027						○	Ammo

### ●Lead Spacing

Style	Lead Spacing
E	7.5mm

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

### ■Rating, Dimensions & Quantity/Ammo Box

●Rated voltage: 200VDC, Capacitance tolerance: ±2%(G), ±5%(J), ±10%(K)

Part No.	Cap. (μF)	Dimensions (mm)					Quantity Ammo
		L max.	T max.	H max.	S	ød	
ECQP2153□U( )	0.015	14.5	6.0	16.0	10.0	0.60	500
ECQP2183□U( )	0.018	14.5	6.0	16.5	10.0	0.60	
ECQP2223□U( )	0.022	19.5	5.5	15.5	10.0	0.60	
ECQP2273□U( )	0.027	19.5	6.0	16.0	10.0	0.60	
ECQP2333□U( )	0.033	19.5	6.0	17.4	10.0	0.60	
ECQP2393□U( )	0.039	19.5	6.0	17.8	10.0	0.60	
ECQP2473□U( )	0.047	19.5	6.0	19.4	10.0	0.60	
ECQP2563□U( )	0.056	19.5	6.5	19.8	15.0	0.60	
ECQP2683□U( )	0.068	19.5	7.0	20.4	15.0	0.60	
ECQP2823□U( )	0.082	24.5	6.0	20.8	15.0	0.80	
ECQP2104□U( )	0.1	24.5	6.5	21.2	15.0	0.80	
ECQP2124□U( )	0.12	24.5	7.0	21.8	15.0	0.80	
ECQP2154□U( )	0.15	24.5	7.5	25.0	20.0	0.80	
ECQP2184□U( )	0.18	24.5	8.5	25.8	20.0	0.80	
ECQP2224□U( )	0.22	24.5	9.0	26.6	20.0	0.80	
ECQP2274□U( )	0.27	24.5	10.0	27.6	20.0	0.80	
ECQP2334□U( )	0.33	24.5	11.0	28.6	20.0	0.80	
ECQP2394□U( )	0.39	24.5	12.0	29.6	20.0	0.80	
ECQP2474□U( )	0.47	24.5	13.5	31.0	20.0	0.80	

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

StyleD: 0.015 to 0.018, 0.056 to 0.068, 0.15 to 0.47 μF  
 StyleB: 0.022 to 0.047, 0.082 to 0.12 μF

\* Please consult us for straight lead wire type.

■ Rating, Dimensions & Quantity/Ammo Box

● Rated voltage : 400VDC, Capacitance tolerance : ±2%(G), ±5%(J), ±10%(K)

Part No.	Cap. (μF)	Dimensions (mm)					Quantity
		L <sub>max.</sub>	T <sub>max.</sub>	H <sub>max.</sub>	S	ød	Ammo
ECQP4822□U( )	0.0082	19.5	6.0	16.0	10.0	0.60	500
ECQP4103□U( )	0.01	19.5	6.5	16.5	10.0	0.60	
ECQP4123□U( )	0.012	19.5	6.5	18.5	10.0	0.60	
ECQP4153□U( )	0.015	19.5	6.0	18.5	10.0	0.60	
ECQP4183□U( )	0.018	19.5	6.0	19.0	10.0	0.60	
ECQP4223□U( )	0.022	19.5	6.0	19.4	10.0	0.60	
ECQP4273□U( )	0.027	19.5	6.5	20.0	10.0	0.60	
ECQP4333□U( )	0.033	19.5	7.0	21.8	15.0	0.60	
ECQP4393□U( )	0.039	19.5	7.5	22.8	15.0	0.60	
ECQP4473□U( )	0.047	19.5	8.0	23.4	15.0	0.60	
ECQP4563□U( )	0.056	24.5	7.0	22.0	15.0	0.80	400
ECQP4683□U( )	0.068	24.5	7.5	23.0	15.0	0.80	400
ECQP4823□U( )	0.082	24.5	8.5	23.8	15.0	0.80	
ECQP4104□U( )	0.1	24.5	9.0	26.6	20.0	0.80	300
ECQP4124□U( )	0.12	24.5	10.0	27.4	20.0	0.80	
ECQP4154□U( )	0.15	24.5	11.0	28.6	20.0	0.80	
ECQP4184□U( )	0.18	29.5	10.5	26.0	20.0	0.80	—
ECQP4224□U( )	0.22	29.5	11.5	27.0	20.0	0.80	
ECQP4274□U( )	0.27	29.5	13.0	28.4	20.0	0.80	
ECQP4334□U( )	0.33	29.5	15.0	29.8	20.0	0.80	
ECQP4394□U( )	0.39	35.0	15.0	30.0	20.0	0.80	
ECQP4474□U( )	0.47	35.0	16.5	31.4	20.0	0.80	

StyleD: 0.033 to 0.047, 0.1 to 0.15 μF

StyleB: 0.0082 to 0.027, 0.056 to 0.082, 0.18 to 0.47 μF

● Rated voltage : 630VDC, Capacitance tolerance : ±2%(G), ±5%(J), ±10%(K)

Part No.	Cap. (μF)	Dimensions (mm)					Quantity
		L <sub>max.</sub>	T <sub>max.</sub>	H <sub>max.</sub>	S	ød	Ammo
ECQP6102□U( )	0.001	14.5	5.0	15.5	10.0	0.60	500
ECQP6122□U( )	0.0012	14.5	5.5	15.5	10.0	0.60	
ECQP6152□U( )	0.0015	14.5	5.5	15.5	10.0	0.60	
ECQP6182□U( )	0.0018	14.5	5.5	15.5	10.0	0.60	
ECQP6222□U( )	0.0022	14.5	5.5	15.5	10.0	0.60	
ECQP6272□U( )	0.0027	14.5	5.5	16.0	10.0	0.60	
ECQP6332□U( )	0.0033	14.5	6.0	16.5	10.0	0.60	
ECQP6392□U( )	0.0039	14.5	6.0	18.5	10.0	0.60	
ECQP6472□U( )	0.0047	14.5	6.5	18.5	10.0	0.60	
ECQP6562□U( )	0.0056	14.5	7.0	19.0	10.0	0.60	
ECQP6682□U( )	0.0068	19.5	5.5	18.6	10.0	0.60	
ECQP6822□U( )	0.0082	19.5	6.0	19.0	10.0	0.60	
ECQP6103□U( )	0.01	19.5	6.0	19.4	10.0	0.60	400
ECQP6123□U( )	0.012	19.5	6.5	19.8	10.0	0.60	
ECQP6153□U( )	0.015	19.5	7.0	20.4	15.0	0.60	
ECQP6183□U( )	0.018	19.5	7.0	22.6	15.0	0.60	
ECQP6223□U( )	0.022	19.5	8.0	23.4	15.0	0.60	
ECQP6273□U( )	0.027	19.5	8.5	24.2	15.0	0.60	
ECQP6333□U( )	0.033	24.5	8.0	23.2	15.0	0.80	
ECQP6393□U( )	0.039	24.5	8.5	23.8	15.0	0.80	
ECQP6473□U( )	0.047	24.5	9.0	24.6	15.0	0.80	
ECQP6563□U( )	0.056	24.5	10.0	27.4	20.0	0.80	
ECQP6683□U( )	0.068	24.5	11.0	28.4	20.0	0.80	—
ECQP6823□U( )	0.082	29.5	10.5	25.6	20.0	0.80	
ECQP6104□U( )	0.1	29.5	11.5	26.8	20.0	0.80	

← Suffix for lead crimped or taped type.

← Cap. tol. code

StyleD: 0.001 to 0.0056, 0.015 to 0.027, 0.056 to 0.068 μF  
StyleB: 0.0068 to 0.012, 0.033 to 0.047, 0.082 to 0.1 μF

\* Please consult us for straight lead wire type.