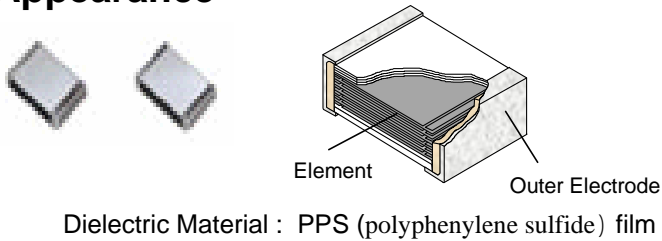


## “ ECHU series ”

### ■ Appearance



### ■ Line up

DC10V : X type	3300 pF (1608) ~ 27 nF(2012)
DC16V : X type	100 pF(1608) ~ 100 nF(3225)
DC50V : X type	100 pF(2012) ~ 220 nF(6041)
DC100V : C type	10 nF(4833) ~ 220 nF(7163)

### ■ Applications

PLL Circuit , Filtering Circuit, Resonance Circuit, etc

### ■ Features

**Tight tolerance : +/-2%(G) , +/-5%(J)**

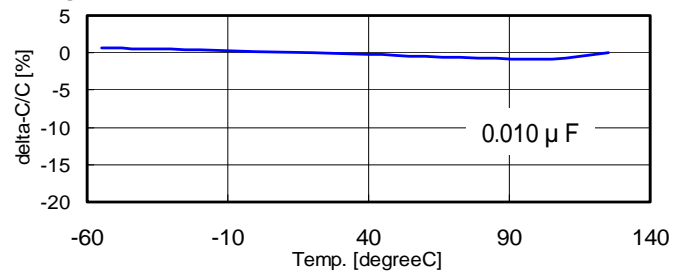
**Temperature char. & Frequency char. are stable.**

**No Piezoelectric effect (DC-Vias char. Is stable.)**

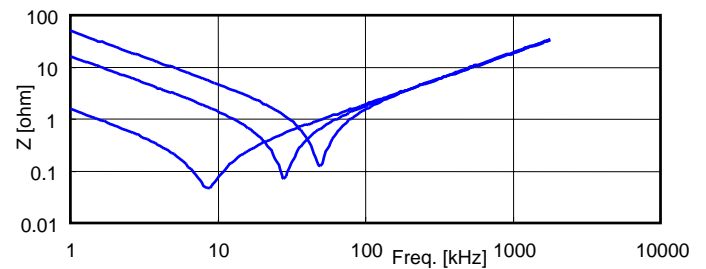
**Low ESR char.**

### ■ Electrical Characteristics

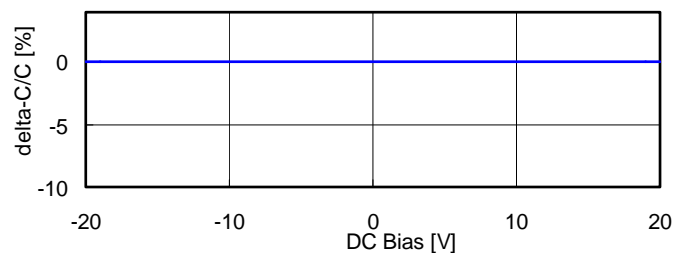
#### Temperature characteristic



#### Impedance characteristic >>> Low ESR

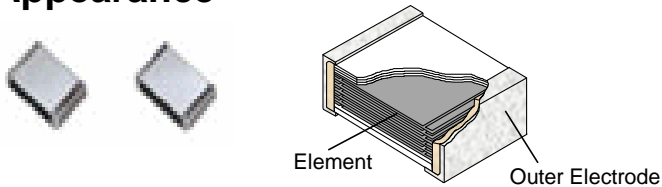


#### DC-Vias characteristic



## “ ECWU series ”

### ■ Appearance



Dielectric Material : PEN (polyethylene naphtharate ) film

### ■ Line up

DC16V : 120 nF (4833) ~ 470 nF(6041)  
 DC50V : 56 nF(4833) ~ 220 nF(6041)  
 DC100V : 12 nF(4833) ~ 1 uF(9863)  
 DC250V : 1 nF(4833) ~ 120 uF(152100)

### ■ Applications

DC blocking Circuit , Smoothing Circuit,  
 Power collection Circuit, etc

### ■ Features

**Wide cover Range : 1nF ~ 1uF**

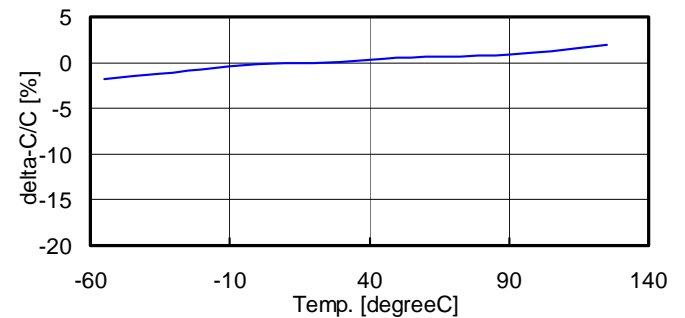
**Low ESR char.**

**Temperature char. & Frequency char. are stable.**

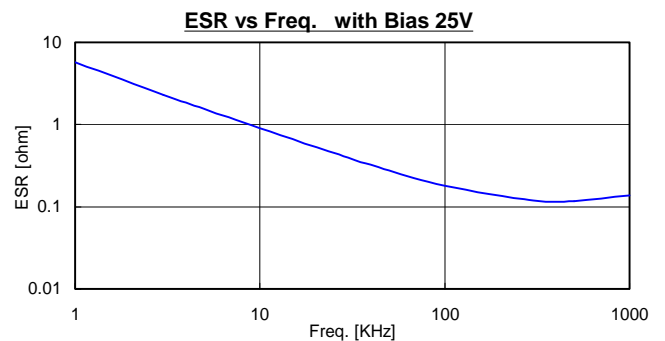
**No Piezoelectric effect (DC-Vias char. Is stable.)**

### ■ Electrical Characteristics

#### Temperature characteristic

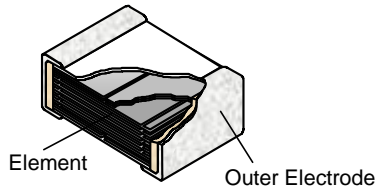


#### ESR characteristic



## “ ECPU series ”

### ■ Appearance



Dielectric Material : Plastic resin

### ■ Line up

DC16V : 0.1 uF (2012) ~ 1 uF(3225)

### ■ Applications

Noise Sensitive Circuit , PLL Circuit,  
Audio Coupling Circuit, etc

### ■ Features

**Large Capacitance value in a small size**

**High performance - Noise reduction effect**

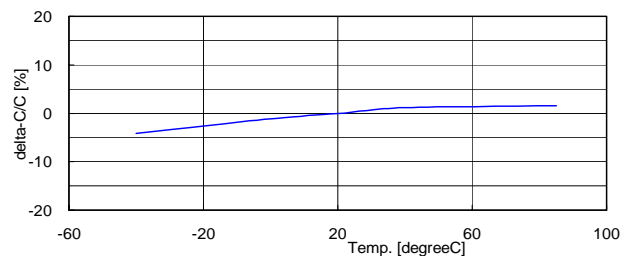
**Low ESR , Low distortion**

**No Piezoelectric effect**

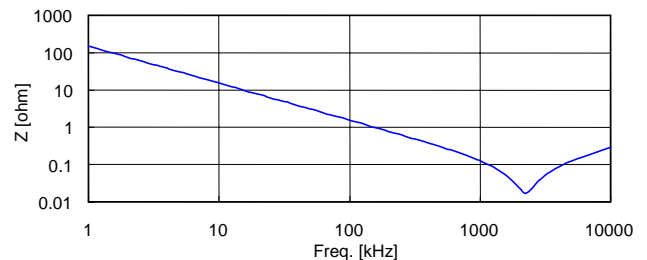
(DC-Vias char. Is stable.)

### ■ Electrical Characteristics

#### Temperature characteristic



#### Impedance characteristic >>> Low ESR



#### Noise reduction effect

Equivalent by 1/10 of capacitance value of Tantalum capacitor

