

## Common mode Noise Filters

Type: **EXC14CX**



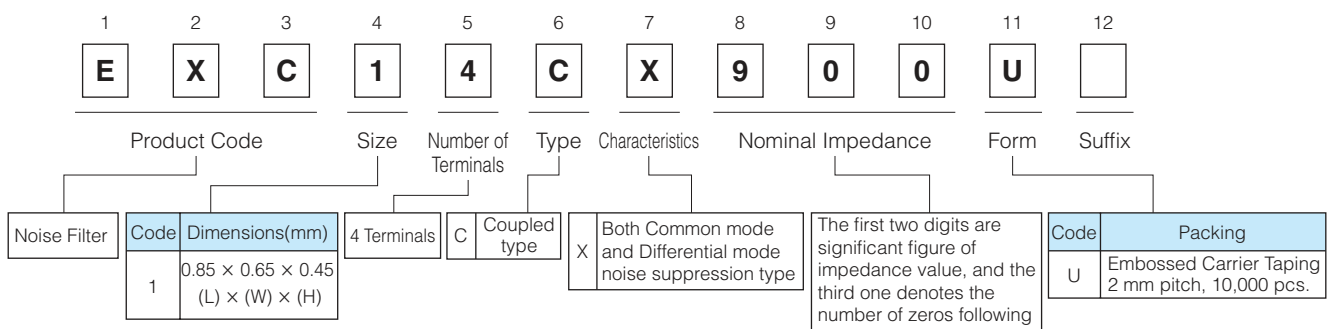
### Features

- Small and thin (L 0.85 mm×W 0.65 mm×H 0.45 mm)
- Effective noise suppression of smartphones by eliminating common mode noises and removing differential signal components
- Strong multilayer/sintered structure, excellent reflow resistance and high mounting reliability
- Lead, halogen and antimony-free
- RoHS compliant

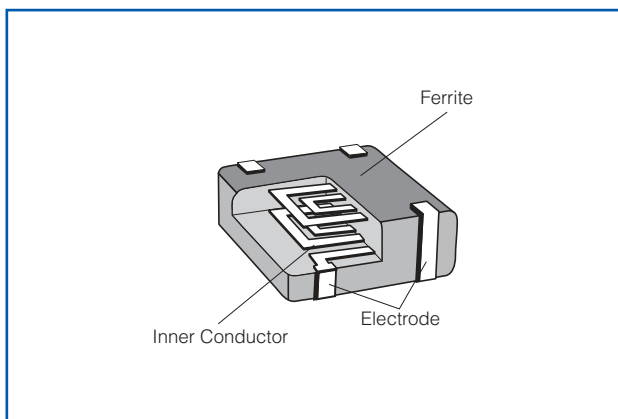
### Recommended Applications

- Smartphones, Tablet PCs and DSC
- Noise suppression of high-speed differential data lines such as MIPI, USB and LVDS

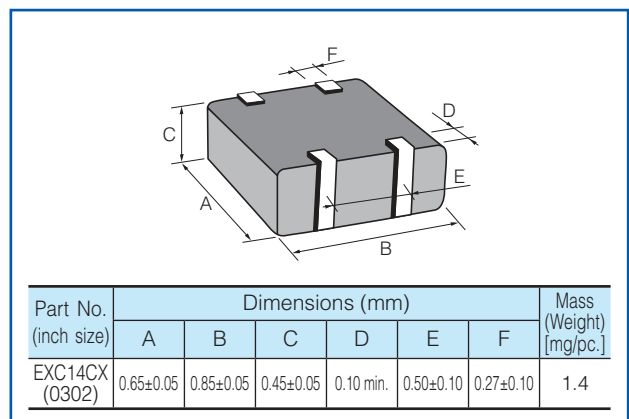
### Explanation of Part Numbers



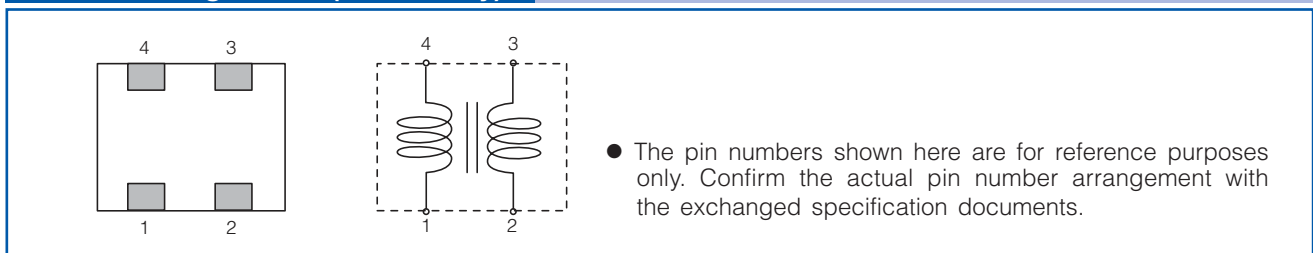
### Construction



### Dimensions in mm (not to scale)



### Circuit Configuration (No Polarity)



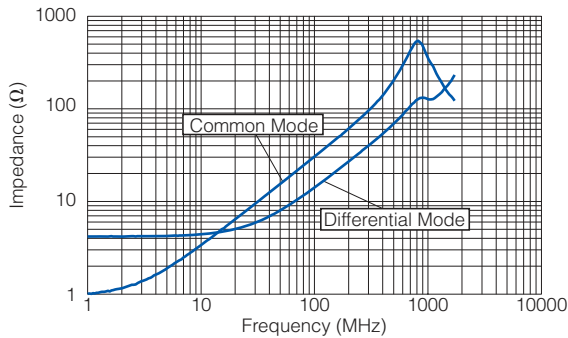
## Ratings

Part Number	Impedance ( $\Omega$ ) at 100 MHz		Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance ( $\Omega$ )max.
	Common Mode	Differential Mode			
EXC14CX280U	28 $\Omega \pm 25\%$	25 $\Omega$ max.	5	100	3.0
EXC14CX400U	40 $\Omega \pm 25\%$	30 $\Omega$ max.	5	100	4.0

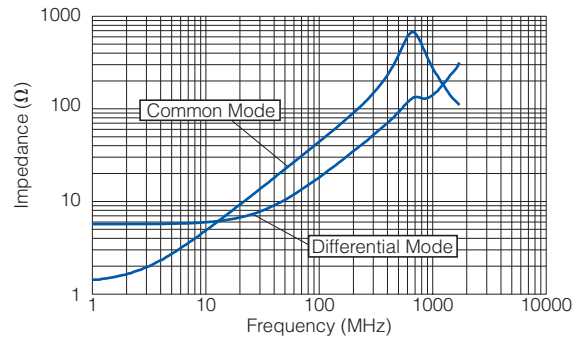
- Category Temperature Range  $-40\text{ }^{\circ}\text{C}$  to  $+85\text{ }^{\circ}\text{C}$

## Impedance Characteristics (Typical)

### ● EXC14CX280U

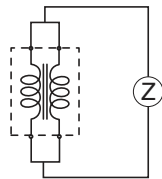


### ● EXC14CX400U

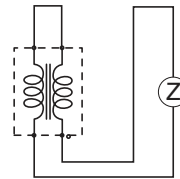


### ● Measurement Circuit

(A) Common Mode

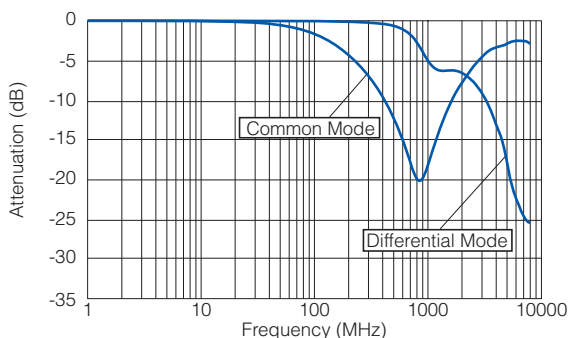


(B) Differential Mode

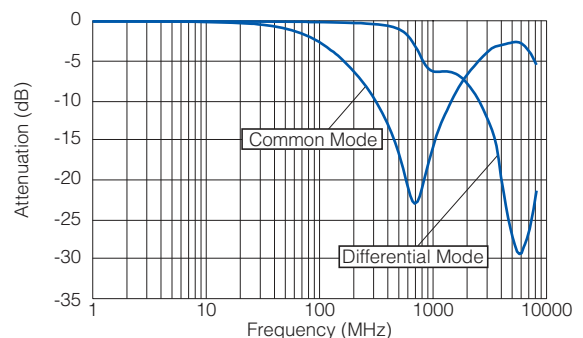


## Attenuation Characteristics (Typical)

### ● EXC14CX280U



### ● EXC14CX400U



■ **As for Packaging Methods, Land Pattern, Soldering Conditions and Safety Precautions,**  
Please see Data Files