

## Common mode Noise Filter Array

Type: **EXC18CG**  
**EXC18CE**



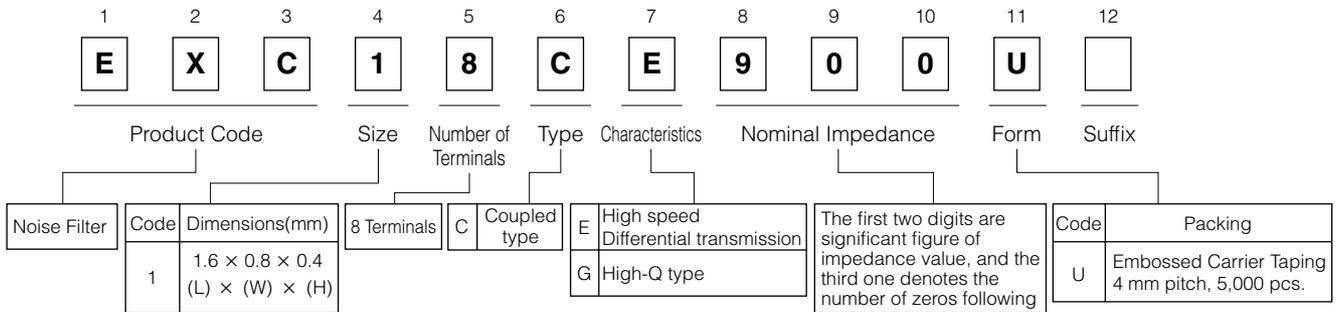
### ■ Features

- 2 Common mode noise filters in one package
- Small size and low-profile  
(L 1.6 mm×W 0.8 mm×H 0.4 mm)
- Filtering the noise of high-speed differential signaling lines and minimizing deformations of transmitted signal waveforms
- Low DC resistance and insertion loss
- High-Q filters with high impedance at around 1 GHz  
: CG type
- Rigidly layered and sintered structure with high resistance to reflow heat and mounting reliability
- Lead, halogen, and antimony free
- RoHS compliant

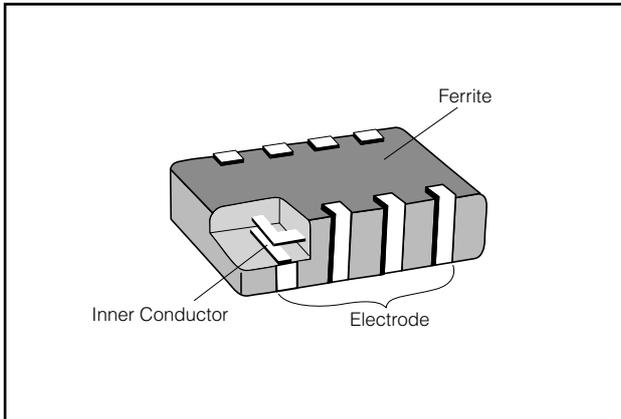
### ■ Recommended Applications

- Mobile phone, DSC, notebook PCs and Digital displays
- Noise suppression of high-speed data lines such as USB, LVDS and HDMI lines

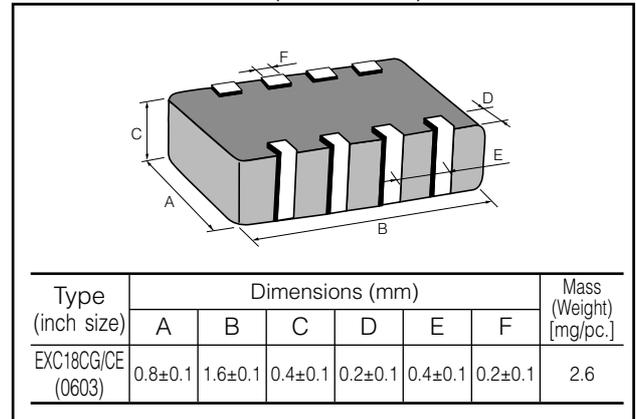
### ■ Explanation of Part Numbers



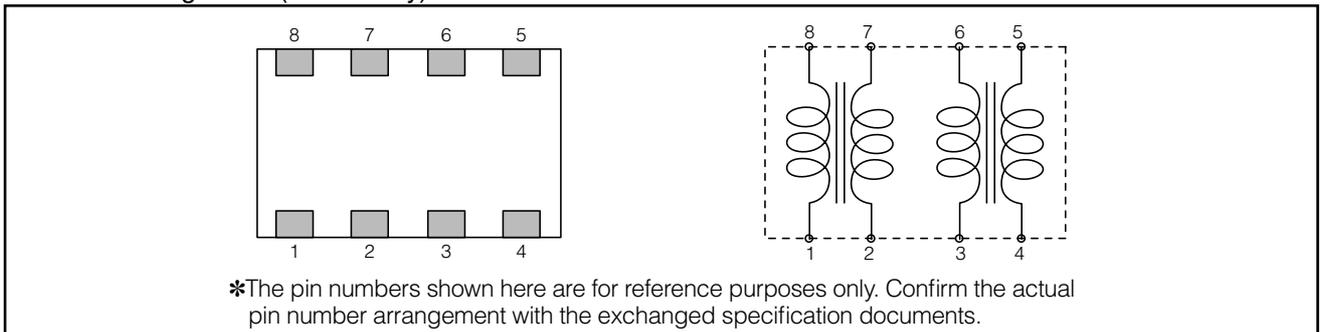
### ■ Construction



### ■ Dimensions in mm (not to scale)



### ■ Circuit Configuration(No Polarity)

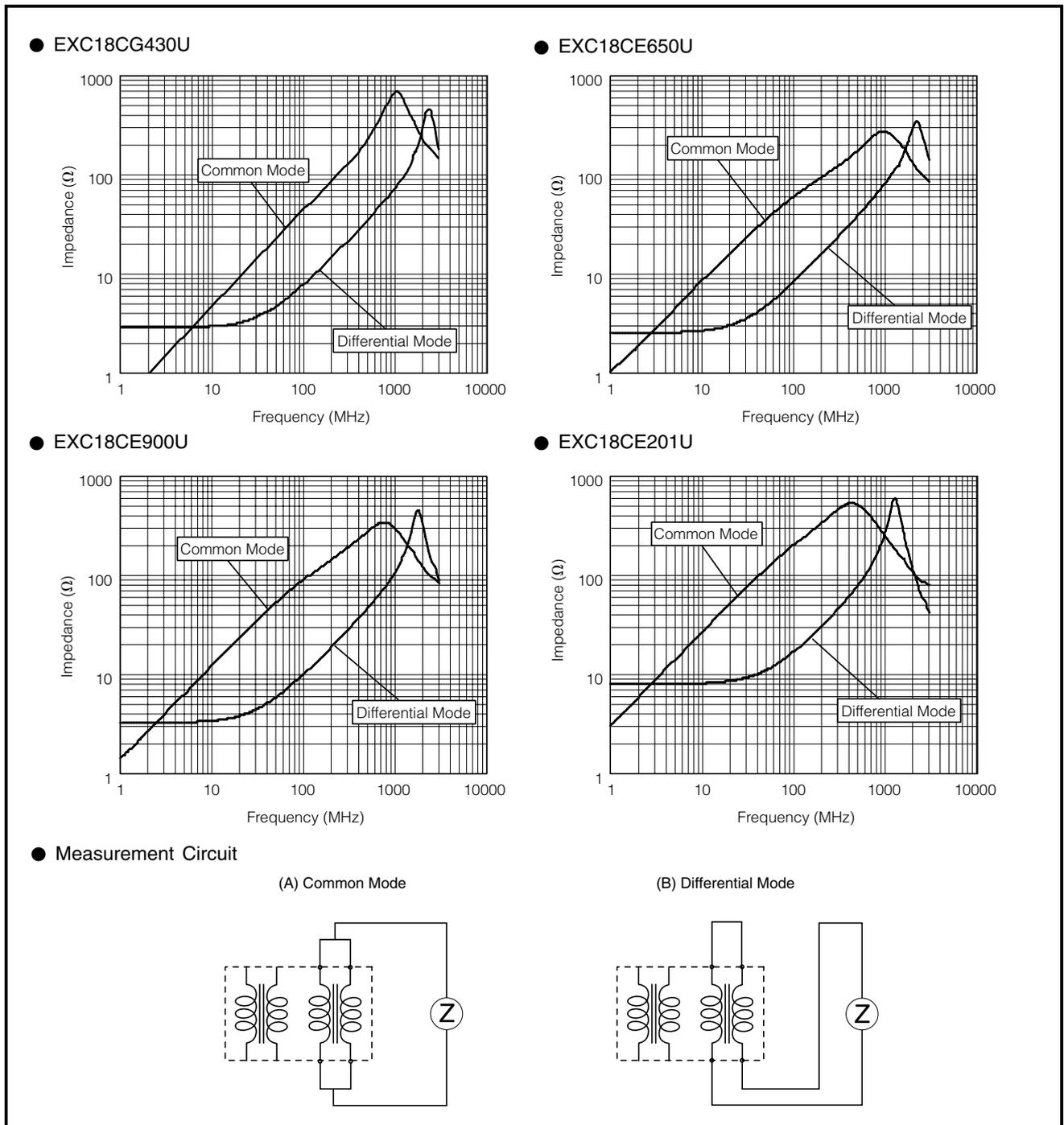


■ Ratings

Part Number	Impedance ( $\Omega$ ) at 100 MHz		Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance ( $\Omega$ ) max.
	Common Mode	Differential Mode			
EXC18CG430U	43 $\Omega \pm 25\%$	15 $\Omega$ max.	5	100	2.7
EXC18CE650U	65 $\Omega \pm 20\%$	18 $\Omega$ max.	5	140	1.8
EXC18CE900U	90 $\Omega \pm 20\%$	20 $\Omega$ max.	5	130	2.0
EXC18CE201U	200 $\Omega \pm 20\%$	22 $\Omega$ max.	5	100	3.5

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

■ Impedance Characteristics (Typical)



■ Packaging Methods, Land Pattern, Soldering Conditions and Safety Precautions

Please see Related Information