

Common mode Noise Filters

Type: **EXC14CG**
EXC14CE



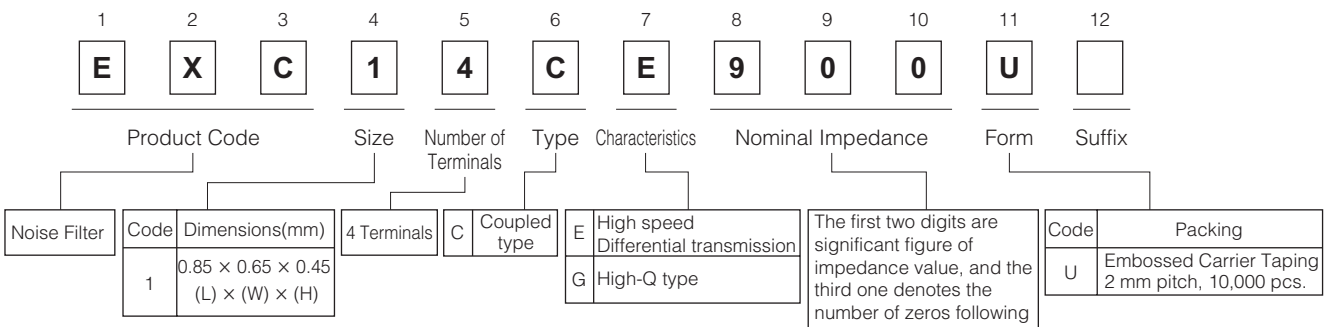
■ Features

- Small size and low-profile
(L 0.85mm×W 0.65mm×H 0.45mm)
- 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

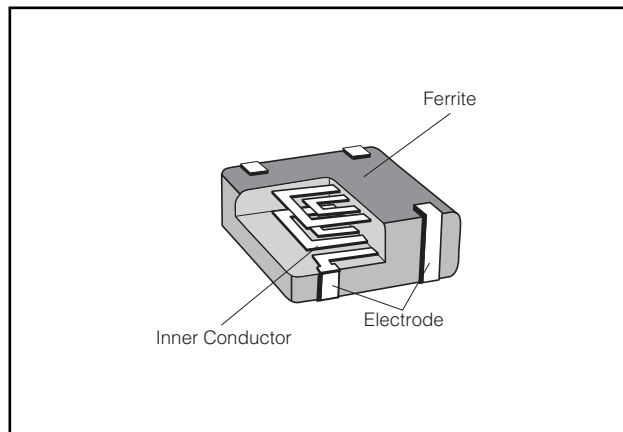
■ Recommended Applications

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

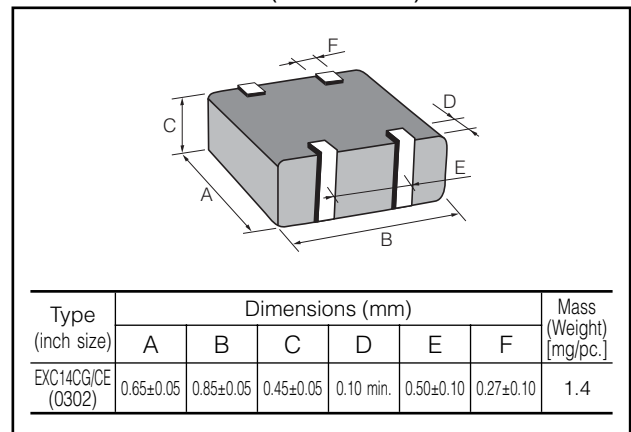
■ Explanation of Part Numbers



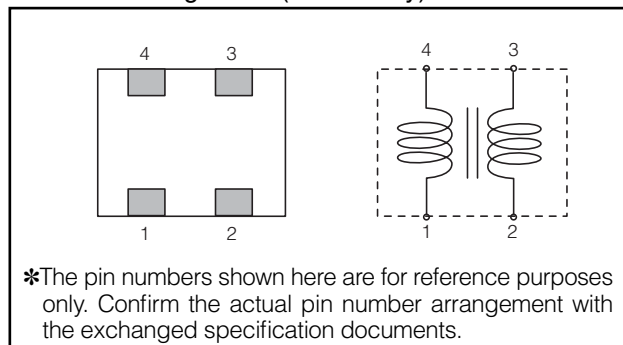
■ Construction



■ Dimensions in mm (not to scale)



■ Circuit Configuration(No Polarity)

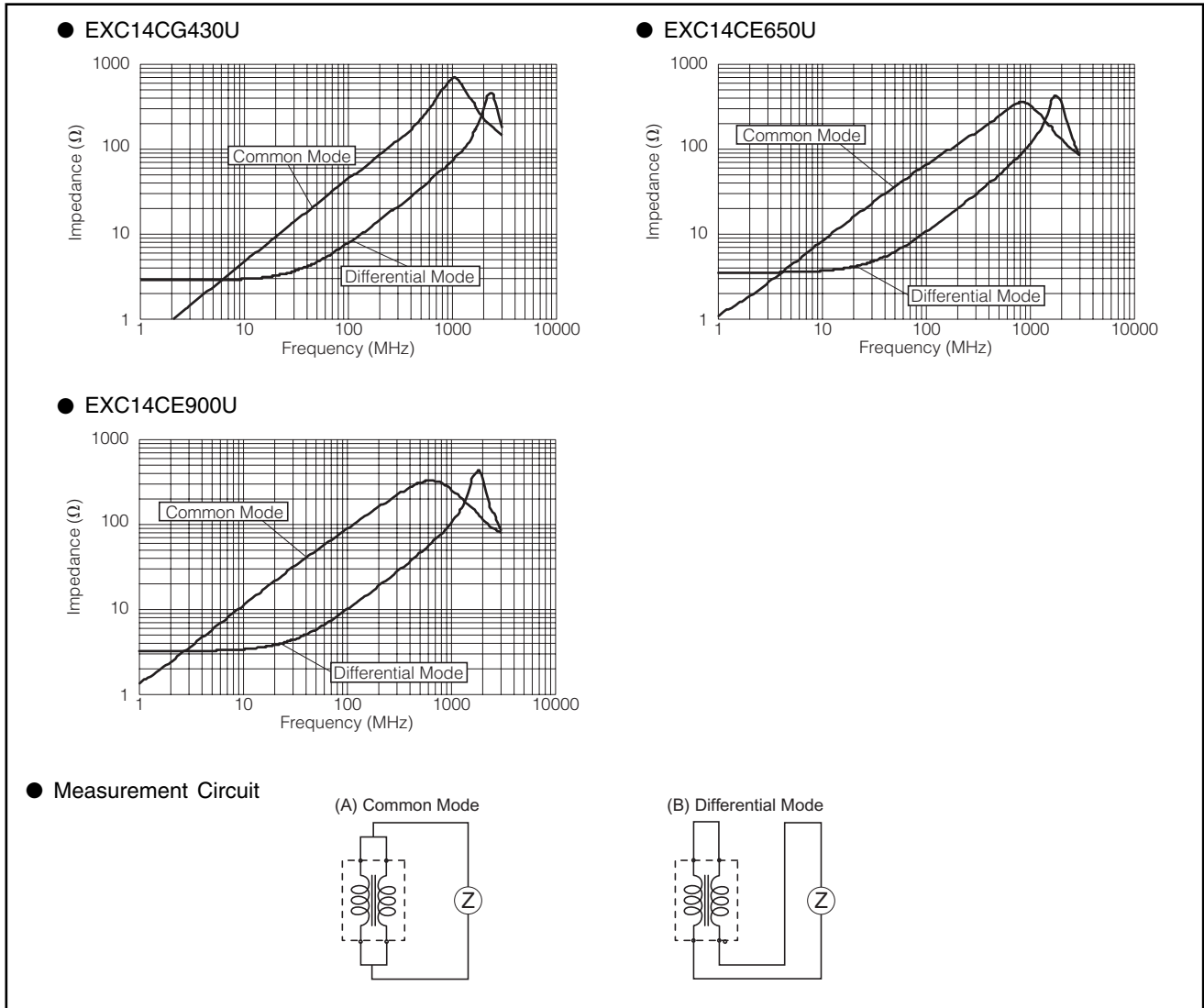


■ Ratings

Part Number	Impedance (Ω) at 100 MHz		Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance (Ω)max.
	Common Mode	Differential Mode			
EXC14CG430U	43 Ω ±25 %	15 Ω max.	5	100	2.7
EXC14CE650U	65 Ω ±20 %	20 Ω max.	5	130	2.5
EXC14CE900U	90 Ω ±20 %	20 Ω max.	5	130	2.5

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

■ Impedance Characteristics (Typical)



■ Packaging Methods

Please see Page 235

■ Recommended Land Pattern Design,

Recommended Soldering Conditions, Δ Safety Precautions

Please see Page 236