

Common mode Noise Filters

Type: **EXCX4CT**



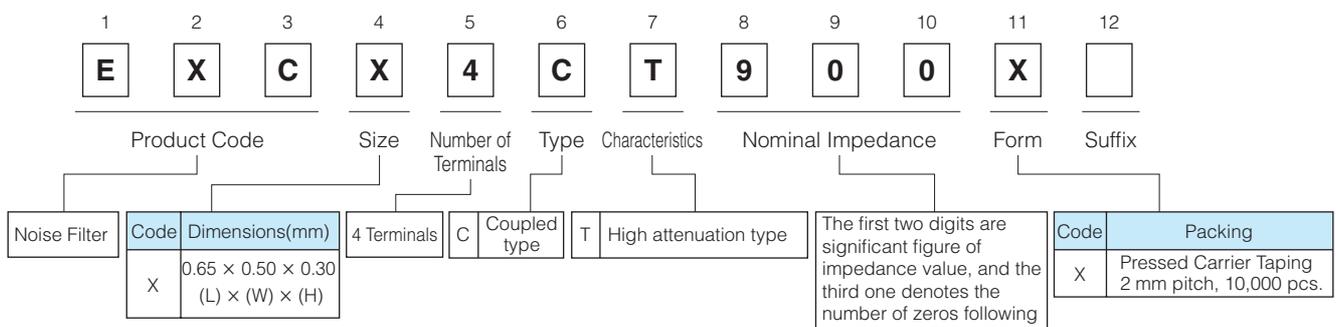
Features

- Small and thin (L 0.65 mm×W 0.50 mm×H 0.30 mm)
- High attenuation at common-mode for noise suppression of harmonic signal components and cellular frequency
- Cut-off frequency is more than 3 GHz, the insertion loss is low in differential transmission line
- Strong multilayer/sintered structure, excellent reflow resistance and high mounting reliability
- Lead, halogen and antimony-free
- RoHS compliant

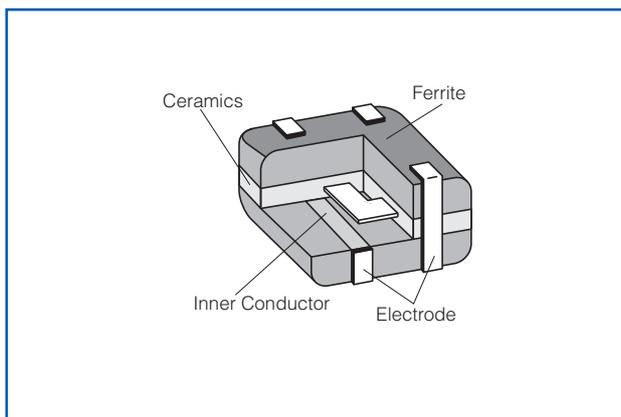
Recommended Applications

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

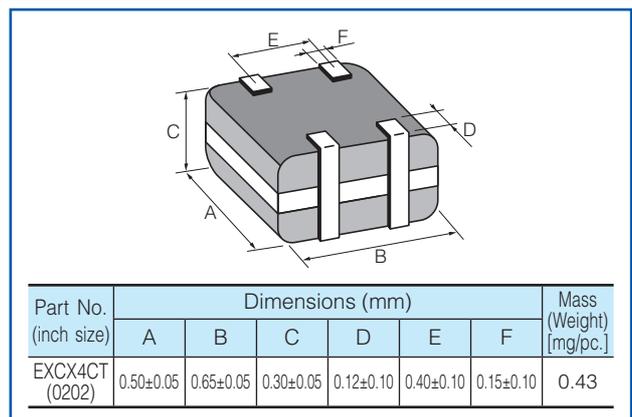
Explanation of Part Numbers



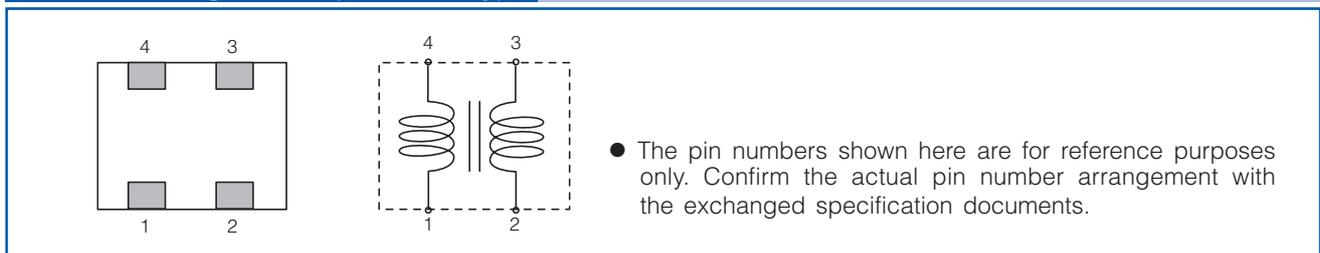
Construction



Dimensions in mm (not to scale)



Circuit Configuration (No Polarity)



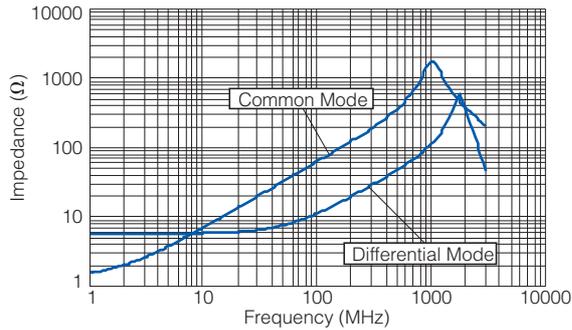
Ratings

Part Number	Impedance (Ω) at 100 MHz	Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance (Ω)
	Common Mode			
EXCX4CT650X	65 $\Omega \pm 20\%$	10	100	2.7 $\Omega \pm 30\%$
EXCX4CT900X	90 $\Omega \pm 20\%$	10	100	3.0 $\Omega \pm 30\%$

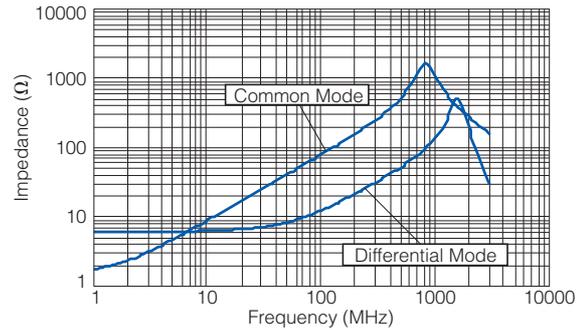
- Category Temperature Range $-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$

Impedance Characteristics (Typical)

● EXCX4CT650X

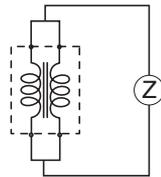


● EXCX4CT900X

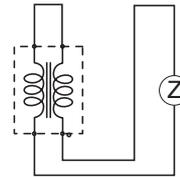


● Measurement Circuit

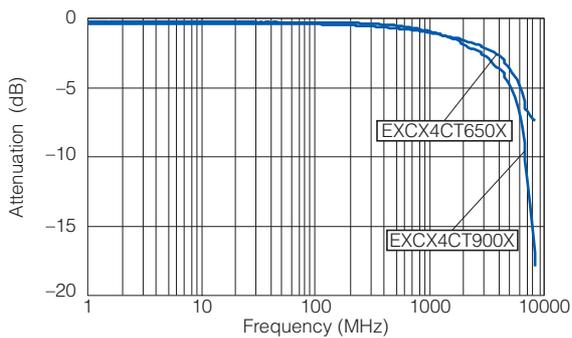
(A) Common Mode



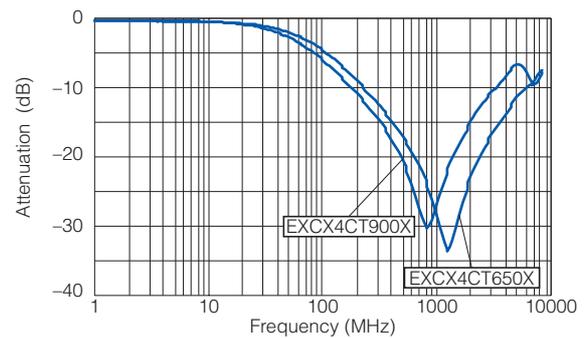
(B) Differential Mode



Insertion Loss (Typical)



Common mode Attenuation Characteristics (Typical)



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