

# **Common mode Noise Filters**

Type: **EXC14CT** 



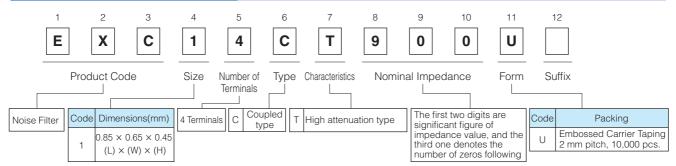
#### **Features**

- Small and thin (L 0.85 mm×W 0.65 mm×H 0.45 mm)
- High attenuation at common-mode for noise suppression of harmonic signal components and cellular frequency
- High cut-off frequency and capability of coping with high-speed signals (USB and HDMI)
- Strong multilayer/sintered structure, excellent reflow resistance and high mounting reliability
- Lead, halogen and antimony-free
- RoHS compliant

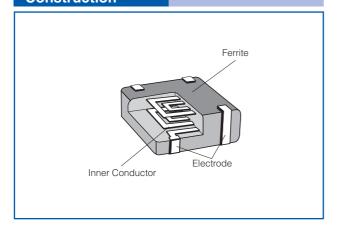
### **Recommended Applications**

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

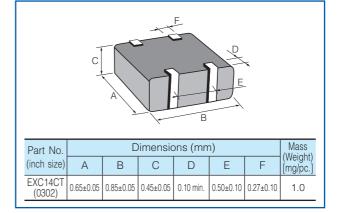




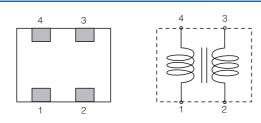
### Construction



### Dimensions in mm (not to scale)



## **Circuit Configuration (No Polarity)**



• The pin numbers shown here are for reference purposes only. Confirm the actual pin number arrangement with the exchanged specification documents.

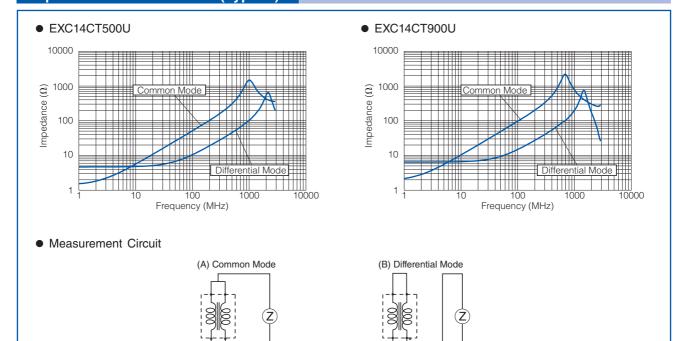
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## Ratings

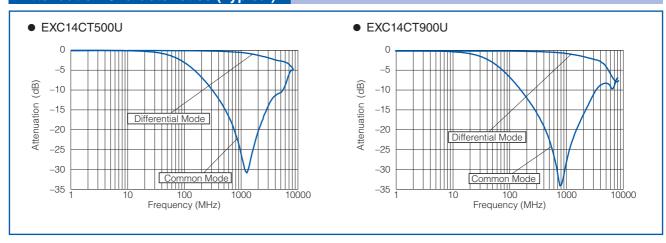
Part Number	Impedance (Ω) at 100 MHz		Rated Voltage	Rated Current	DC Resistance
	Common Mode	Differential Mode	(V DC)	(mA DC)	$(\Omega)$ max.
EXC14CT500U	50 Ω±25 %	17 $\Omega$ max.	5	100	2.3 Ω±30 %
EXC14CT900U	90 Ω±20 %	20 $\Omega$ max.	5	100	3.3 Ω±30 %

• Category Temperature Range -40 °C to +85 °C

## **Impedance Characteristics (Typical)**



## **Attenuation Characteristics (Typical)**



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