

Common mode Noise Filters

Type: **EXC14CT**



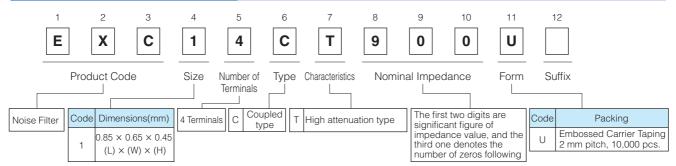
Features

- 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

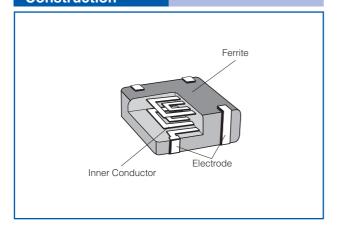
Recommended Applications

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

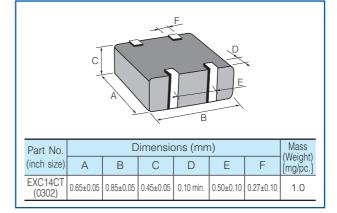




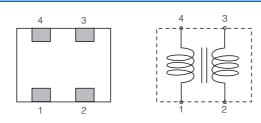
Construction



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.

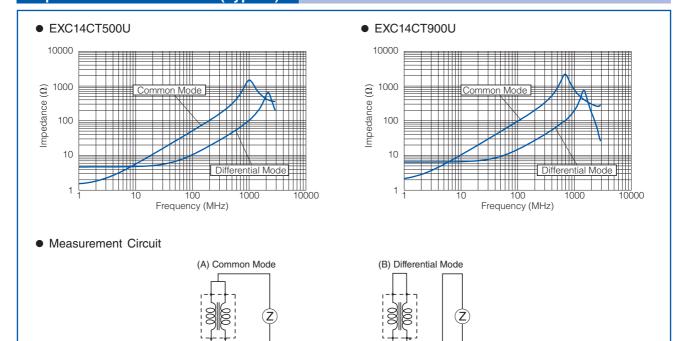
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Ratings

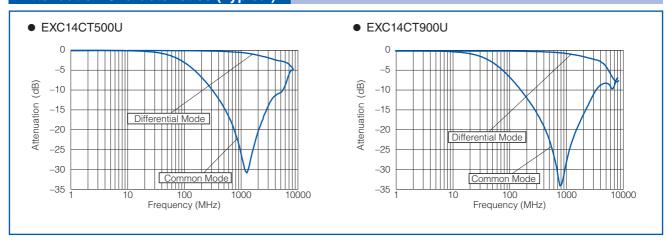
Part Number	Impedance (Ω) at 100 MHz		Rated Voltage	Rated Current	DC Resistance
	Common Mode	Differential Mode	(V DC)	(mA DC)	(Ω) max.
EXC14CT500U	50 Ω±25 %	17 Ω max.	5	100	2.3 Ω±30 %
EXC14CT900U	90 Ω±20 %	20 Ω max.	5	100	3.3 Ω±30 %

• 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

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Panasonic:

EXC-14CT500U EXC-14CT900U