### **Common mode Noise Filters**

## Type: **EXC24CG**

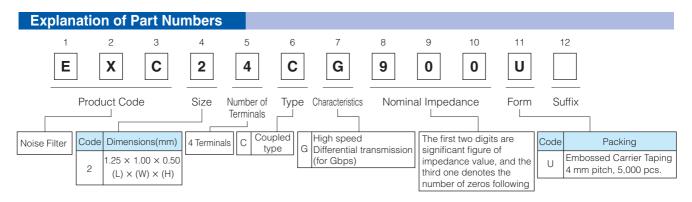


#### Features

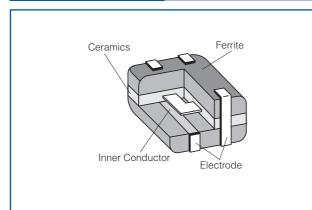
- Elimination of radiation noises from high-speed differential transmissions
- $\bullet$  Prevention of reflection of transmission signals and noise radiation by controlling TDR characteristic impedance as 100  $\Omega$
- Satisfaction of eye pattern standards of HDMI waveforms with capability to improve waveform fluctuations of skew and overshoot
- Simple multilayer structure, excellent mass productivity and high reliability
- Small and thin (L 1.25 mm×W 1.00 mm×H 0.50 mm)
- RoHS compliant

#### **Recommended Applications**

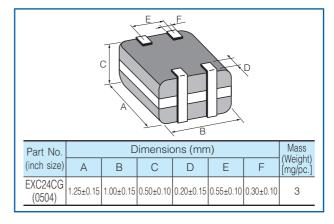
- AV equipment (LCD-TV, DVD/Blu-ray drives), Information equipment (PCs, HDD), Communications equipment (Mobile phones, Smartphones)
- Noise suppression of high-speed differential data lines such as HDMI, SATA and LAN



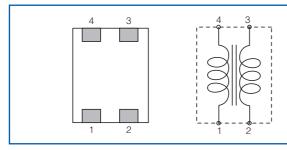
#### Construction



#### 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.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

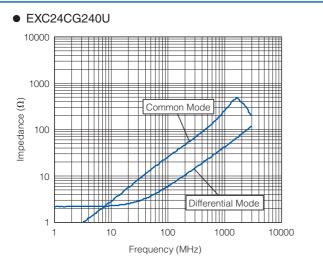
# Panasonic

## **Common mode Noise Filters**

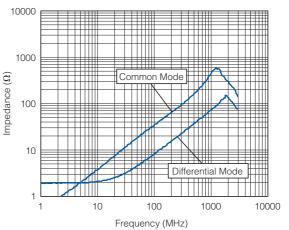
Ratings					
Part Number	Impedance ( $\Omega$ ) at 100 MHz		Rated Voltage	Rated Current	DC Resistance
	Common Mode	Differential Mode	(V DC)	(mA DC)	( $\Omega$ )max.
EXC24CG240U	24 Ω±25 %	15 $\Omega$ max.	5	160	1.5
EXC24CG360U	36 Ω±25 %	15 $\Omega$ max.	5	130	1.7
EXC24CG900U	90 Ω±25 %	20 $\Omega$ max.	5	100	3.0

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

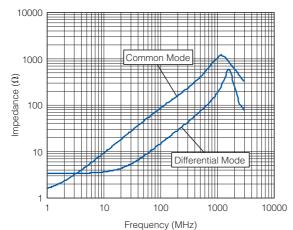
#### **Impedance Characteristics (Typical)**



• EXC24CG360U

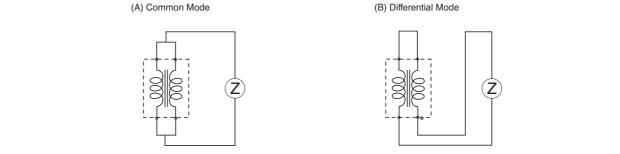


#### • EXC24CG900U



Measurement Circuit





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

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