Common mode Noise Filters

Type: **EXC24CG**

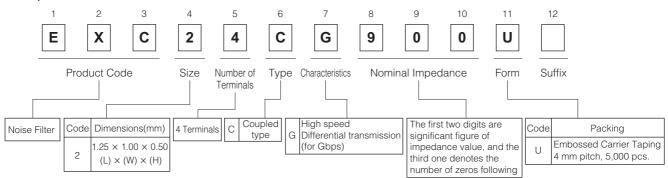
■ Features

- Reduce the common mode noise and reform the signal wave by high-coupled inductors
- Characteristic impedance is controlled to near 100 Ω , suppressing the signal reflection
- Meet the Mask-test for HDMI and suppressing the overshoot and skew etc
- Realize the high reliability and mounting by the simple multi-layer structure
- Small size and low-profile (L 1.25 mm×W 1.00 mm×H 0.50 mm)
- RoHS compliant

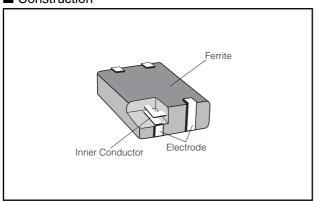
■ Recommended Applications

- HDMI date lines such as TV, STB, DVD, DVC.
- S-ATA date lines such as PCs, HDD.

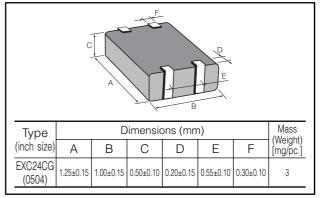
■ Explanation of Part Numbers



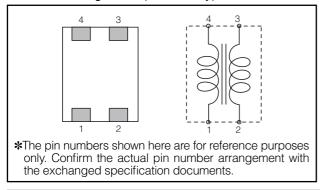
■ Construction



■ Dimensions in mm (not to scale)



■ Circuit Configuration(No Polarity)

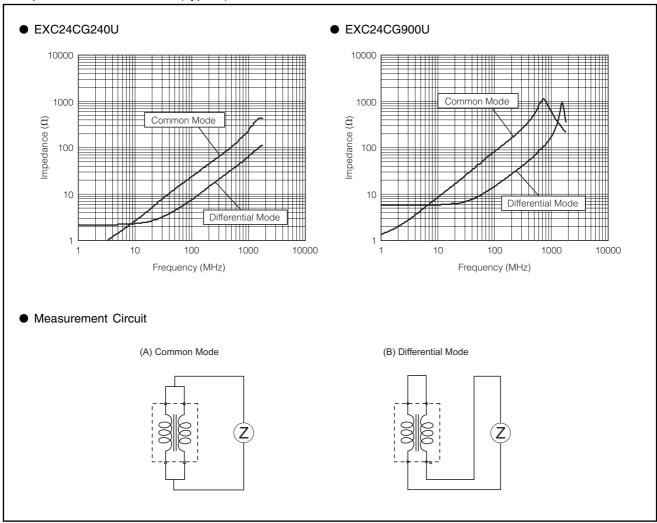


■ Ratings

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

◆ Category Temperature Range –40 °C to +85 °C

■ Impedance Characteristics (Typical)



- Packaging Methods
- Recommended Land Pattern Design,
 Recommended Soldering Conditions, △Safety Precations
- Please see Page 235
- Please see Page 236