

Common mode Noise Filters

Type: **EXC34CG/CE**



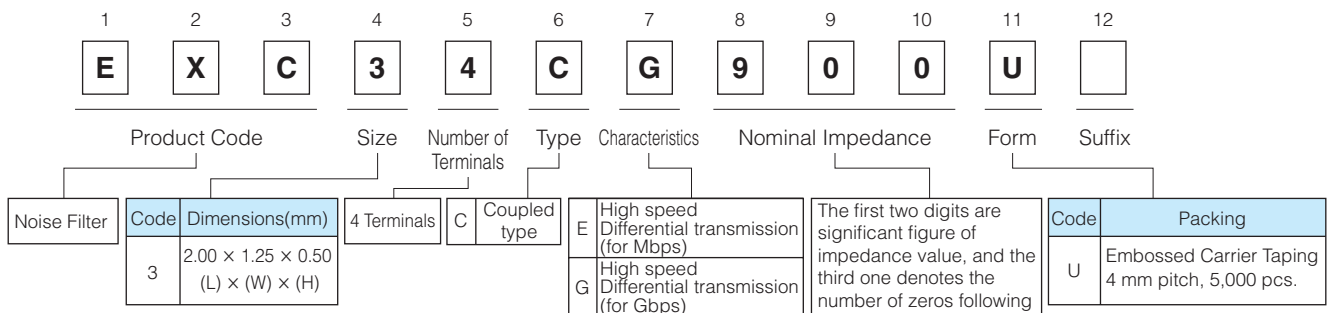
Features

- Low-profile (L 2.0 mm×W 1.25 mm×H 0.50 mm)
- Filtering the noise of high-speed differential signaling lines and minimizing deformations of transmitted signal waveforms
- The strong multi-layer structure provides high resistance to reflow soldering heat and a high mounting reliability
- Lead, halogen, and antimony free
- RoHS compliant

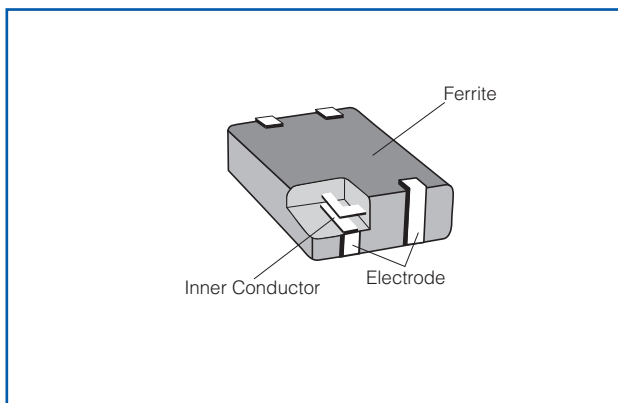
Recommended Applications

- AV equipment (LCD-TV, DVD/Blu-ray drives), Information equipment (PCs, HDD, Printers)
- Noise suppression of high-speed differential data lines such as USB2.0, LVDS, HDMI and LAN

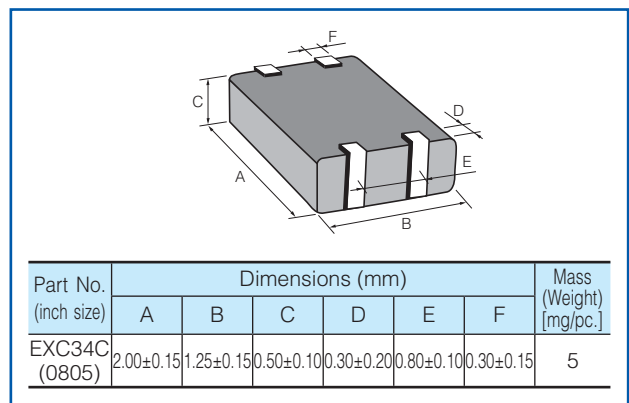
Explanation of Part Numbers



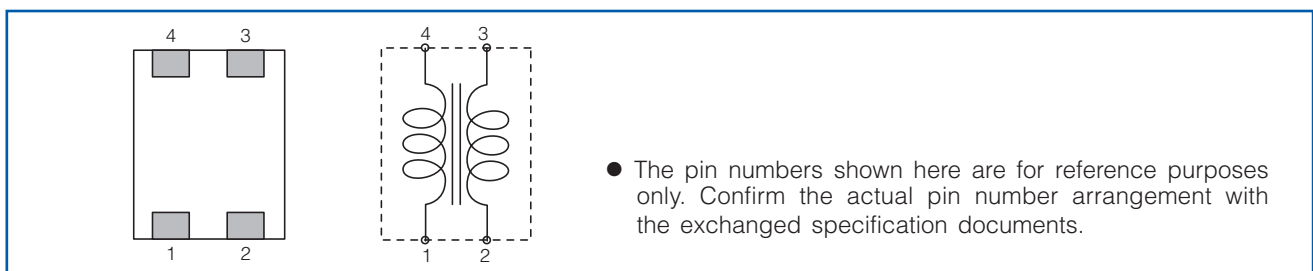
Construction



Dimensions in mm (not to scale)



Circuit Configuration (No Polarity)



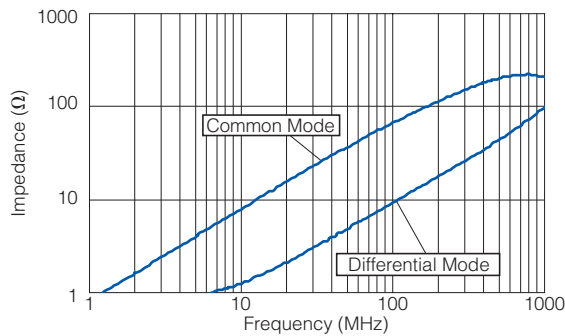
Ratings

Part Number	Impedance (Ω) at 100MHz	Rated Current (mA DC)	Rated Voltage (V DC)	Insulation Resistance ($M\Omega$ min.)	Withstand Voltage (V DC)	DC Resistance (Ω)max.
	Common Mode					
EXC34CE670U	67 $\Omega \pm 25\%$	250	5	10 $M\Omega$	125	0.8
EXC34CE900U	90 $\Omega \pm 25\%$	250	5	10 $M\Omega$	125	0.8
EXC34CE121U	120 $\Omega \pm 25\%$	200	5	10 $M\Omega$	125	1.0
EXC34CE201U	200 $\Omega \pm 25\%$	200	5	10 $M\Omega$	125	1.0
EXC34CG900U	90 $\Omega \pm 25\%$	100	5	10 $M\Omega$	125	3.0

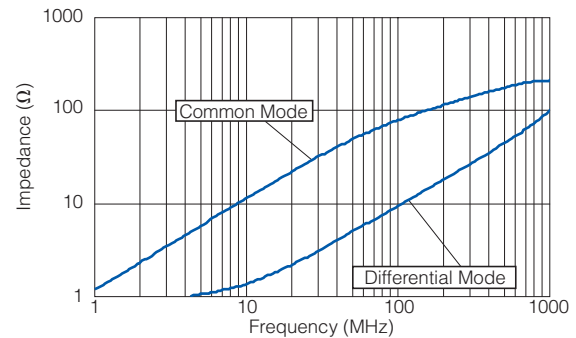
● Category Temperature Range $-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$

Impedance Characteristics (Typical)

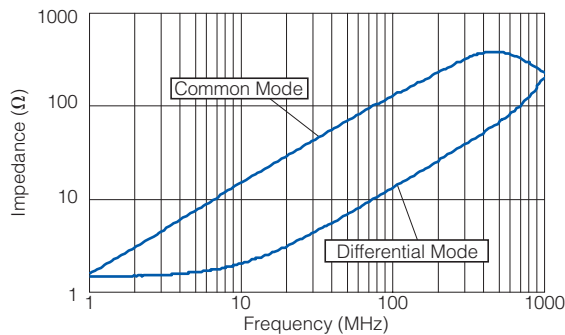
● EXC34CE670U



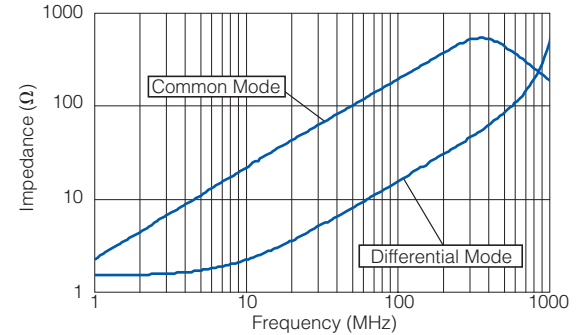
● EXC34CE900U



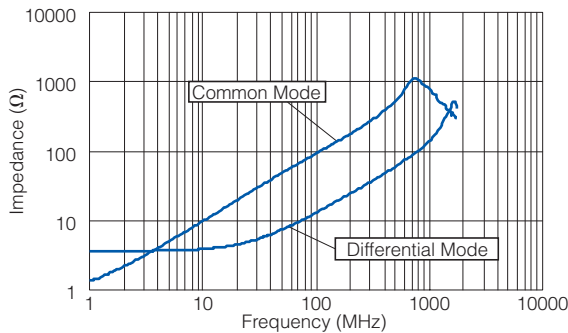
● EXC34CE121U



● EXC34CE201U

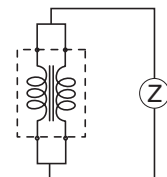


● EXC34CG900U

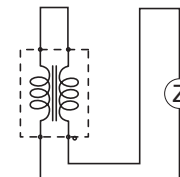


● Measurement Circuit

(A) Common Mode



(B) Differential Mode



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