Common mode Noise Filters

Type: **EXC24CE EXC24CF**

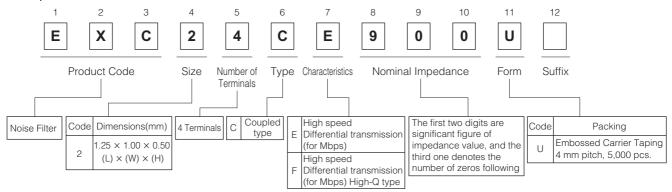
■ Features

- Reduce the common mode noise and reform the signal wave by high-coupled inductors
- The strong multi-layer structure provides high resistance to reflow soldering heat and a high mounting reliability
- Magnetic shield type
- High-Q impedance : EXC24CF type is also available
- Small size and low-profile (L 1.25 mm×W 1.00 mm×H 0.50 mm)
- RoHS compliant

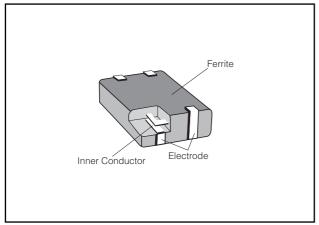
■ Recommended Applications

- USB data lines such as PCs, DSC, Mobile phone.
- LVDS data lines such as PCs, TV.
- IEEE1394 data lines such as PCs, TV.

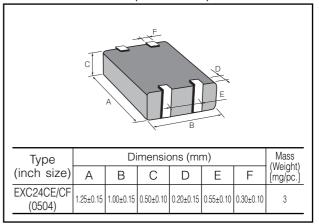
■ Explanation of Part Numbers



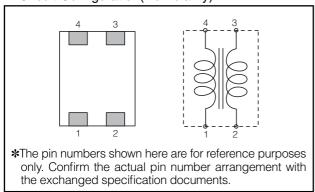
Construction



■ Dimensions in mm (not to scale)



■ Circuit Configuration(No Polarity)

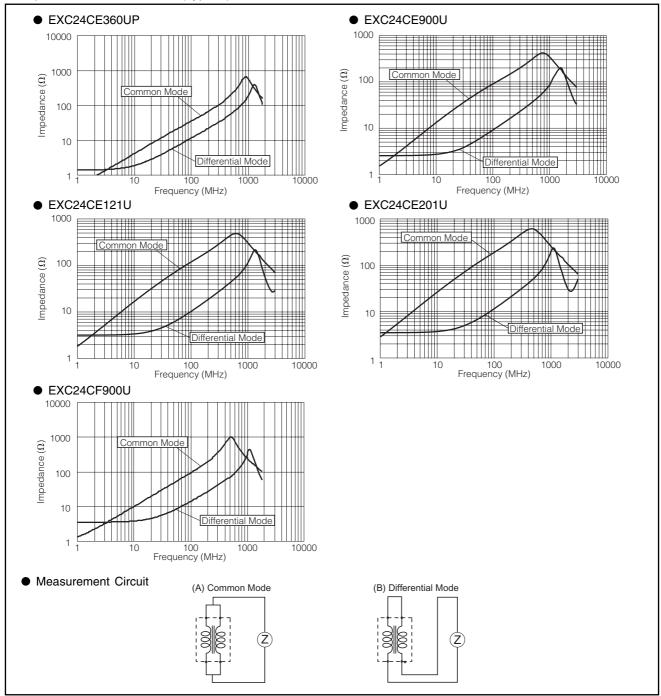


■ Ratings

| Part Number | Impedance (Ω) at 100 MHz | | Rated Voltage | Rated Current | DC Resistance |
|--------------|--------------------------|-------------------|---------------|---------------|-----------------|
| | Common Mode | Differential Mode | (V DC) | (mA DC) | (Ω) max. |
| EXC24CE360UP | 36 Ω±25 % | 20 Ω max. | 5 | 200 | 1.00 |
| EXC24CE900U | 90 Ω±25 % | 15 Ω max. | 5 | 160 | 1.75 |
| EXC24CE121U | 120 Ω±25 % | 18 Ω max. | 5 | 140 | 2.20 |
| EXC24CE201U | 200 Ω±25 % | 20 Ω max. | 5 | 130 | 2.70 |
| EXC24CF900U | 90 Ω±25 % | 20 Ω max. | 5 | 130 | 2.50 |

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

■ Impedance Characteristics (Typical)



■ Packaging Methods

Please see Page 235

■ Recommended Land Pattern Design,

Please see Page 236

Recommended Soldering Conditions, \triangle Safety Precations

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