

Common mode Noise Filters

Type: **EXC24CE**
EXC24CF

■ Features

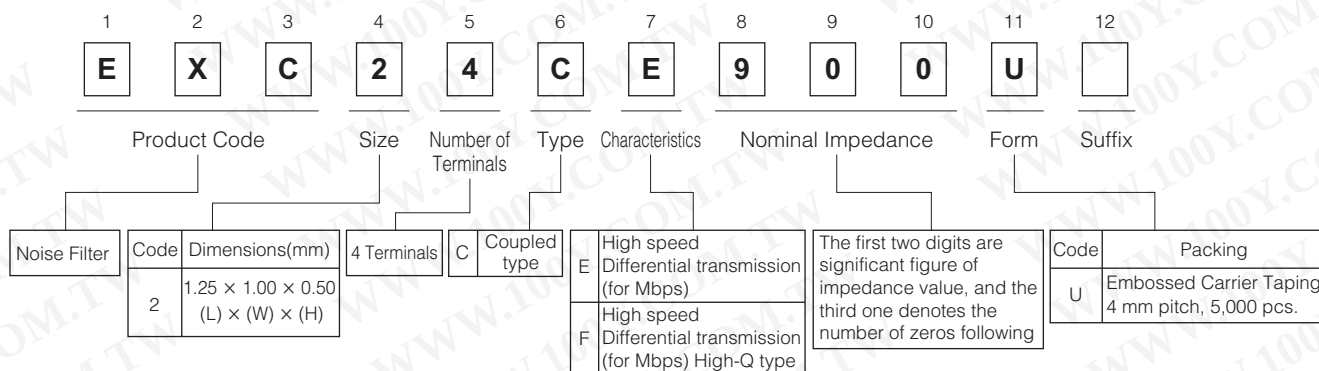
- Reduce the common mode noise and reform the signal wave by high-coupled inductors
- The strong multi-layer structure provides high resistance to reflow soldering heat and a high mounting reliability
- Magnetic shield type
- High-Q impedance : EXC24CF type is also available
- Small size and low-profile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

■ Recommended Applications

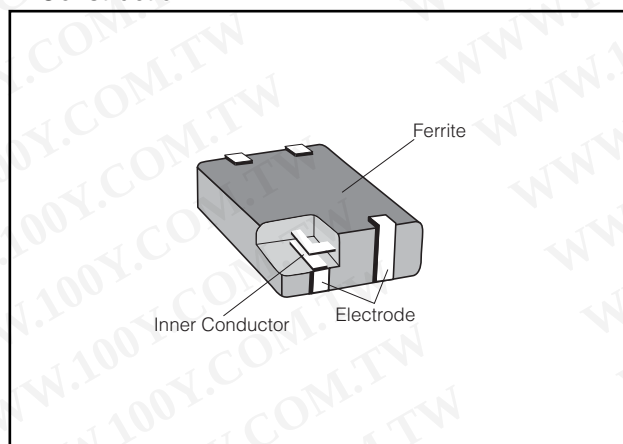
- USB data lines such as PCs, DSC, Mobile phone.
- LVDS data lines such as PCs, TV.
- IEEE1394 data lines such as PCs, TV.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

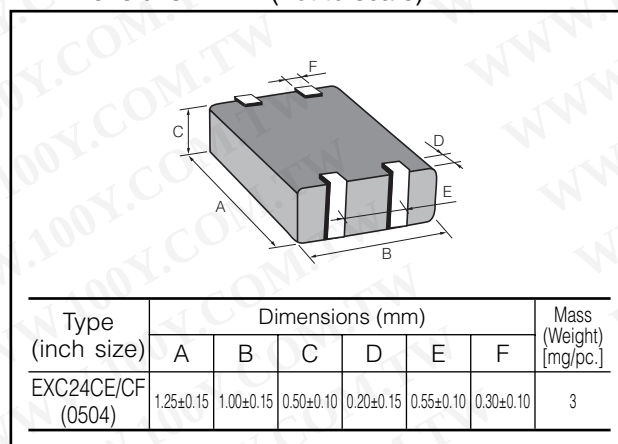
■ Explanation of Part Numbers



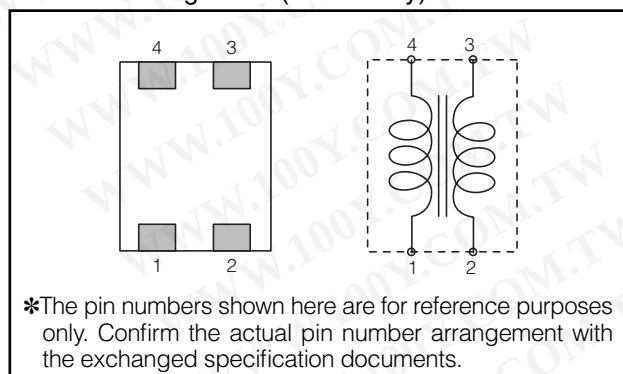
■ Construction



■ Dimensions in mm (not to scale)



■ Circuit Configuration(No Polarity)



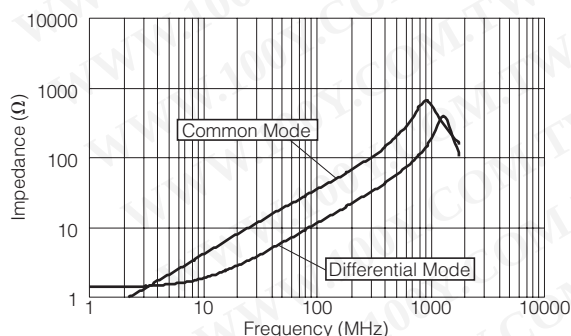
■ Ratings

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

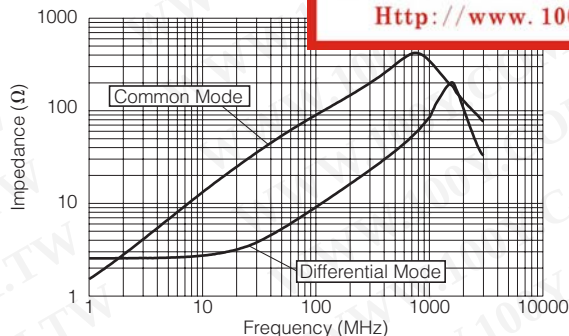
- Category Temperature Range -40°C to $+85^\circ\text{C}$

■ Impedance Characteristics (Typical)

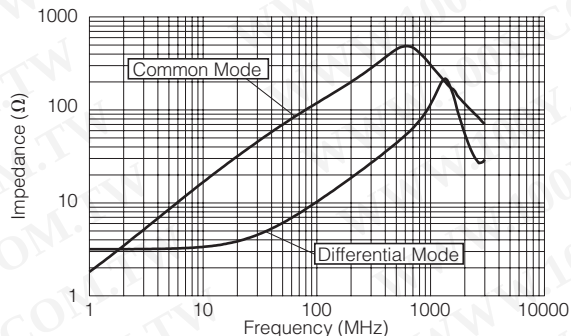
● EXC24CE360UP



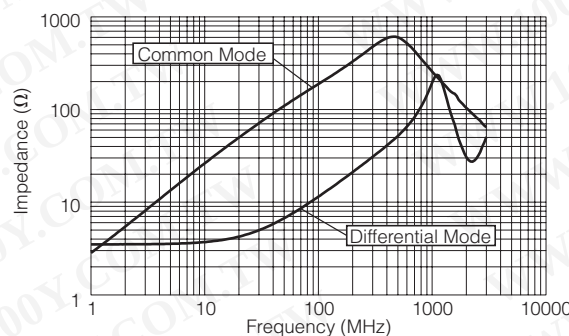
● EXC24CE900U



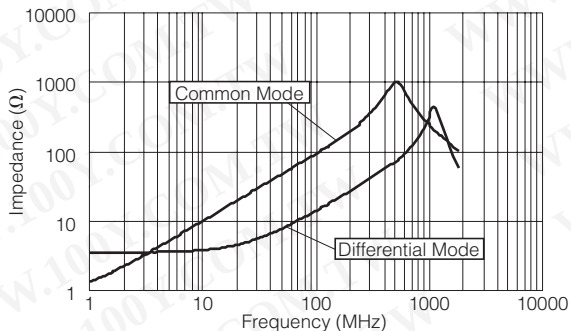
● EXC24CE121U



● EXC24CE201U

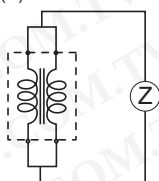


● EXC24CF900U

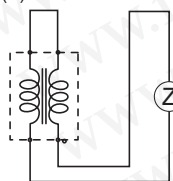


● Measurement Circuit

(A) Common Mode



(B) Differential Mode



■ Packaging Methods

Please see Page 235

■ Recommended Land Pattern Design,

Recommended Soldering Conditions, $\triangle$ Safety Precautions

Please see Page 236

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.

01 Feb. 2011