

## Common mode Noise Filter Array

Type: **EXC28CH**



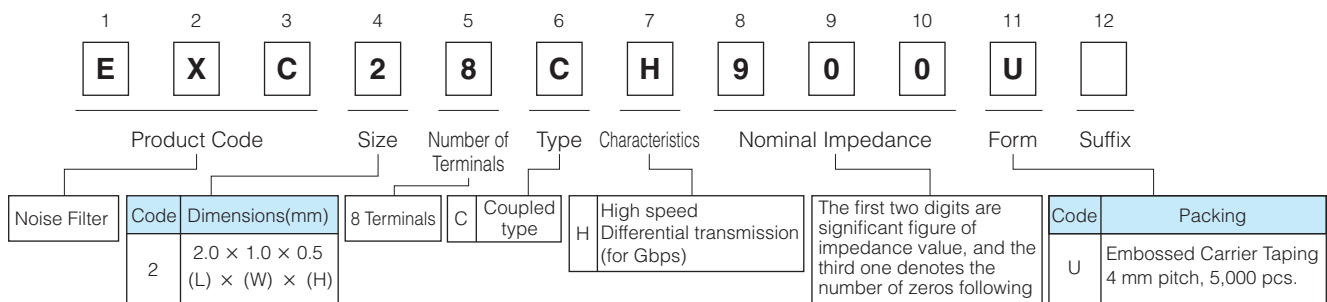
### Features

- Small and thin type, two built-in filter circuit (L 2.0 mm×W 1.0 mm×H 0.5 mm)
- Suppression of high frequency noise with little influence of waveform rounding on signal transmission, achieved by setting high cut-off frequency between 6 and 10 GHz
- Strong multilayer/sintered structure, excellent reflow resistance and high mounting reliability
- Lead, halogen and antimony-free
- RoHS compliant

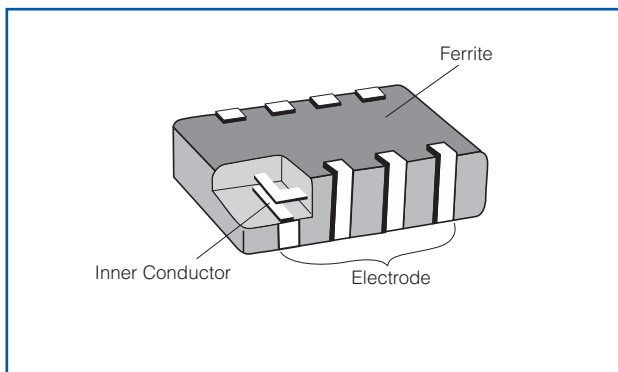
### Recommended Applications

- AV equipment (LCD-TV, DVD/Blu-ray drives), Information equipment (PCs, HDD, Printers)
- Noise suppression of high-speed differential data lines such as USB3.0, LVDS, HDMI and LAN

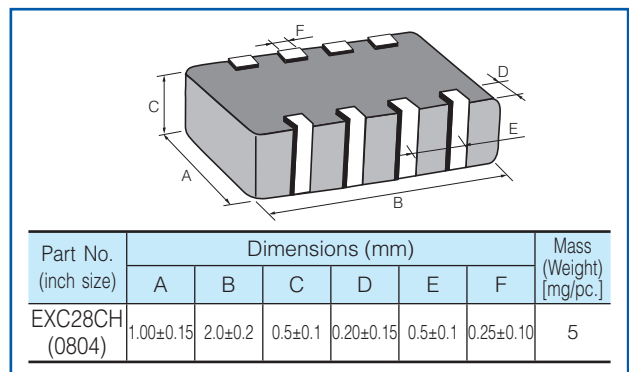
### Explanation of Part Numbers



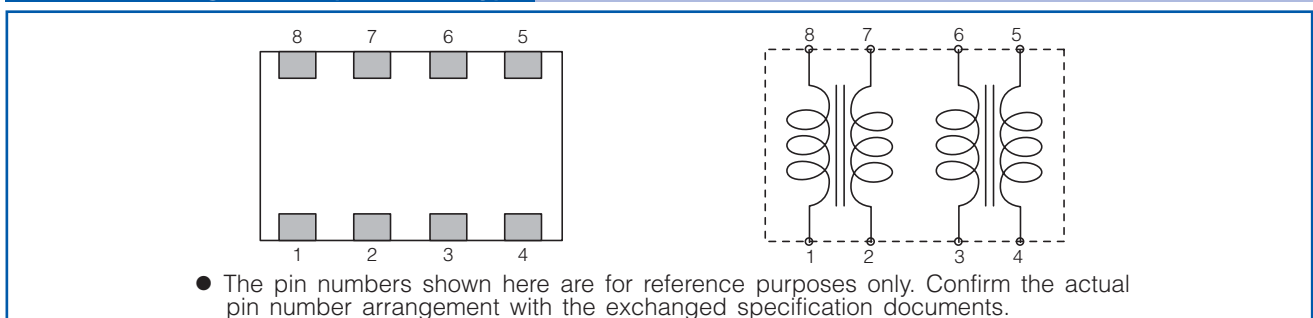
### Construction



### Dimensions in mm (not to scale)



### Circuit Configuration (No Polarity)

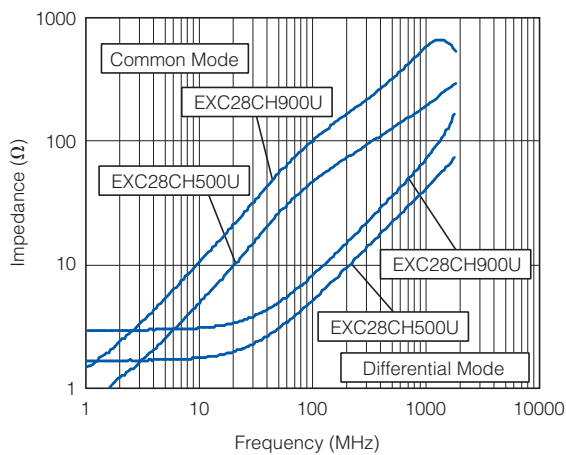


## Ratings

Part Number	Impedance ( $\Omega$ ) at 100 MHz		Cutoff Frequency (GHz)	Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance ( $\Omega$ )max.
	Common Mode	Differential Mode				
EXC28CH500U	50 $\Omega \pm 25\%$	13 $\Omega$ max.	10 Typ.	5	160	1.5
EXC28CH900U	90 $\Omega \pm 20\%$	15 $\Omega$ max.	6 Typ.	5	130	2.5

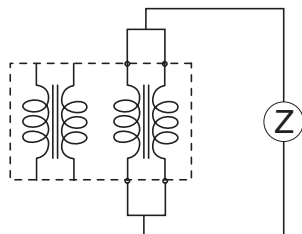
- Category Temperature Range  $-40\text{ }^{\circ}\text{C}$  to  $+85\text{ }^{\circ}\text{C}$

## Impedance Characteristics (Typical)

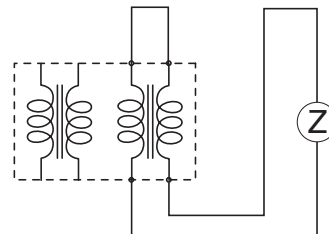


- Measurement Circuit

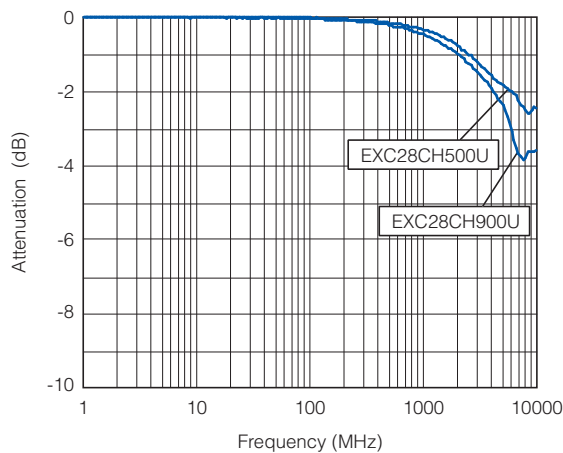
(A) Common Mode



(B) Differential Mode



## Insertion Loss (Typical)



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