

Common mode Noise Filter Array

Type: **EXC28CE**



Features

- Small and thin type, two built-in filter circuit (L 2.0 mm×W 1.0 mm×H 0.5 mm)
- Elimination of radiation noises from high-speed differential transmissions
- Magnetic shield type with no leakage
- Strong multilayer/sintered structure, excellent reflow resistance and high mounting reliability
- Lead, halogen and antimony-free
- RoHS compliant

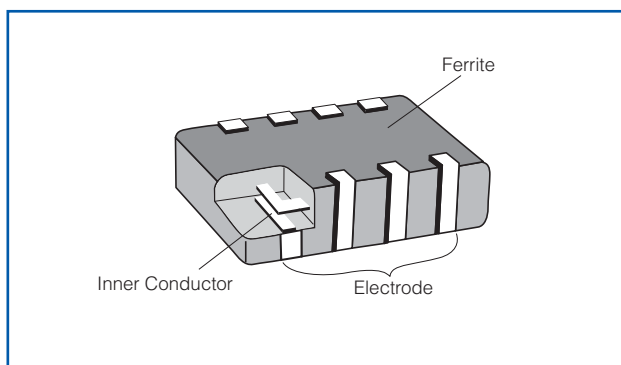
Recommended Applications

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

Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	X	C	2	8	C	E	9	0	0	U	
Product Code			Size	Number of Terminals	Type	Characteristics	Nominal Impedance			Form	Suffix
Noise Filter	Code	Dimensions(mm)	8 Terminals	C	Coupled type	E	The first two digits are significant figure of impedance value, and the third one denotes the number of zeros following			Code	Packing
	2	2.0 × 1.0 × 0.5 (L) × (W) × (H)				High speed Differential transmission (for Mbps)				U	Embossed Carrier Taping 4 mm pitch, 5,000 pcs.

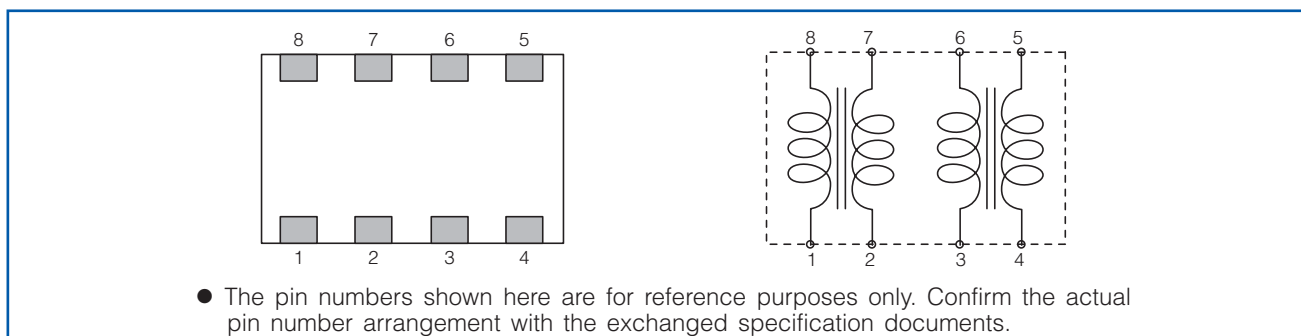
Construction



Dimensions in mm (not to scale)

Part No. (inch size)	Dimensions (mm)						Mass (Weight) [mg/pc.]
	A	B	C	D	E	F	
EXC28CE (0804)	1.00±0.15	2.0±0.2	0.5±0.1	0.20±0.15	0.5±0.1	0.25±0.10	5

Circuit Configuration (No Polarity)



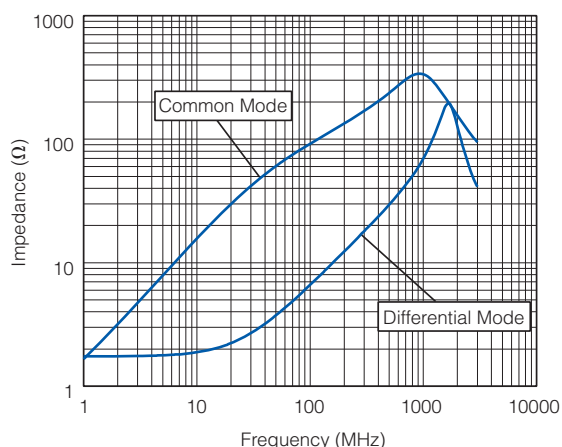
Ratings

Part Number	Impedance (Ω) at 100 MHz		Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance (Ω) max.
	Common Mode	Differential Mode			
EXC28CE900U	90 $\Omega \pm 25\%$	15 Ω max.	5	160	1.5
EXC28CE121U	120 $\Omega \pm 25\%$	18 Ω max.	5	140	2.0
EXC28CE201U	200 $\Omega \pm 25\%$	20 Ω max.	5	130	2.5
EXC28CE301U	300 $\Omega \pm 25\%$	30 Ω max.	5	80	5.0

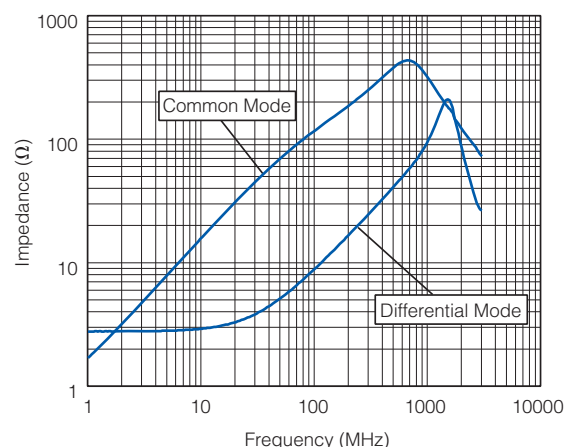
- Category Temperature Range $-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$

Impedance Characteristics (Typical)

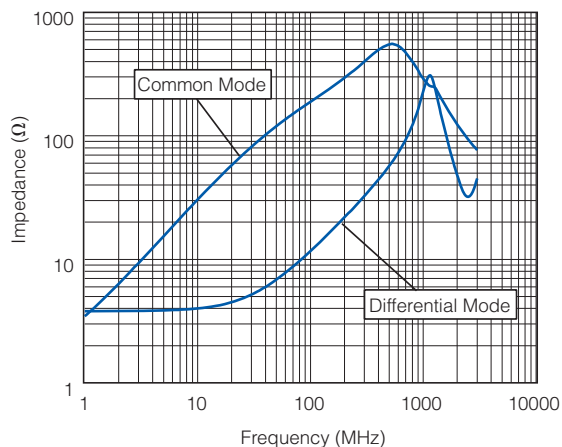
EXC28CE900U



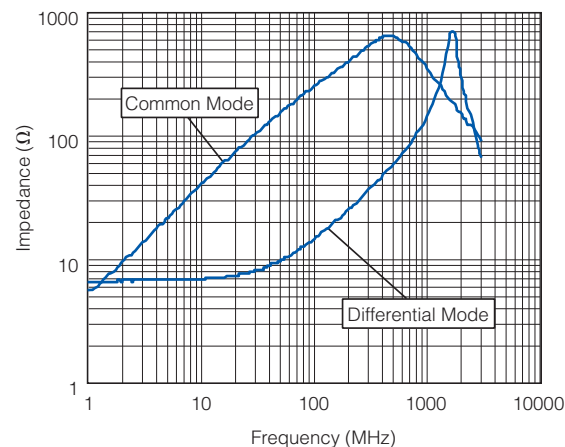
EXC28CE121U



EXC28CE201U

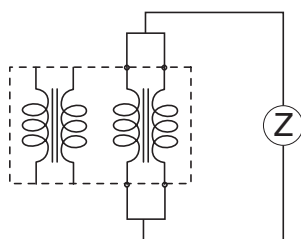


EXC28CE301U

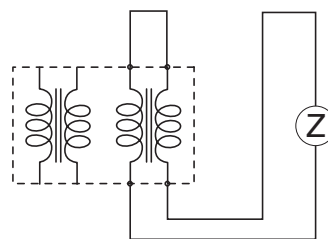


Measurement Circuit

(A) Common Mode



(B) Differential Mode



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