Common mode Noise Filter Array

Type: **EXC28CH**

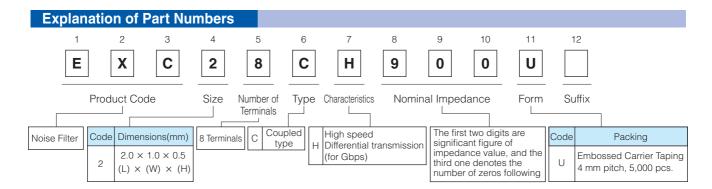


Features

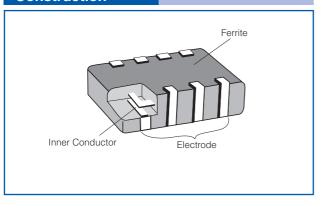
- Small and thin type, two built-in filter circuit (L 2.0 mm×W 1.0 mm×H 0.5 mm)
- Suppression of high frequency noise with little influence of waveform rounding on signal transmission, achieved by setting high cut-off frequency between 6 and 10 GHz
- Strong multilayer/sintered structure, excellent reflow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

Recommended Applications

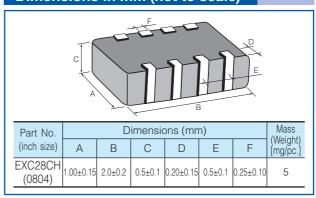
- AV equipment (LCD-TV, DVD/Blu-ray drives), Information equipment (PCs, HDD, Printers)
- Noise suppression of high-speed differential data lines such as USB3.0, LVDS, HDMI and LAN



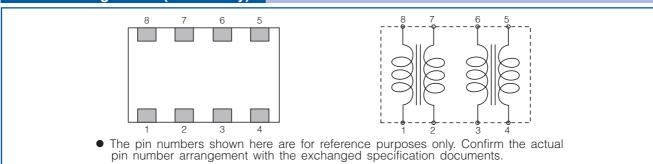




Dimensions in mm (not to scale)



Circuit Configuration (No Polarity)



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.

On Mar. 2015

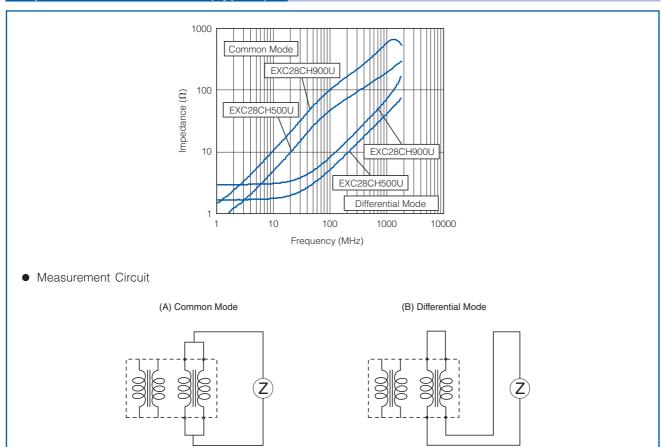


Common mode Noise Filter Array

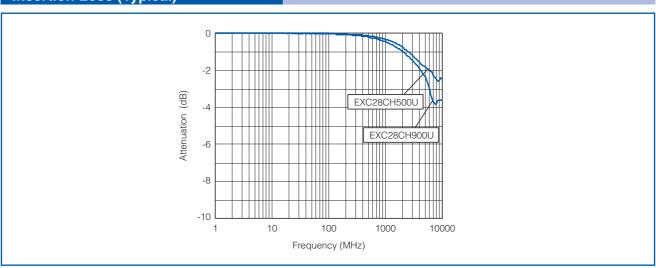
Ratings								
Part Number	Impedance (Ω) at 100 MHz		Cutoff Frequency	Rated Voltage	Rated Current	DC Resistance		
	Common Mode	Differential Mode	(GHz)	(V DC)	(mA DC)	(Ω)max.		
EXC28CH500U	50 Ω±25 %	13 Ω max.	10 Typ.	5	160	1.5		
EXC28CH900U	90 Ω±20 %	15 Ω max.	6 Тур.	5	130	2.5		

● Category Temperature Range -40 °C to +85 °C

Impedance Characteristics (Typical)



Insertion Loss (Typical)



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

Panasonic Common mode Noise Filters/Common mode Noise Filters with ESD Suppressor/2 mode Noise Filters

Perfomance Perfomance Perfomance Perfomance Perfomance Perfomance Performance						
Test Item	Performance Requirements	Test Conditions				
Resistance	Within Specified Tolerance	25 °C				
Overload	_	Rated Voltage				
Resistance to Soldering Heat	±30 % (Impedance Change)	260 °C, 10 s				
Rapid Change of Temperature	±30 % (Impedance Change)	-40 °C (30 min.) / +85 °C (30 min.), 200 cycles				
High Temperature Exposure	±30 % (Impedance Change)	85 °C, 500 h				
Damp Heat, Steady State	±30 % (Impedance Change)	60 °C, 95 %RH, 500 h				
Load Life in Humidity	±30 % (Impedance Change)	60 °C, 95 %RH, Rated Current, 500 h				



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