

Common mode Noise Filters

Type: **EXC14CX**



■ **Features**

- Small size and low-profile
(L 0.85 mm×W 0.65 mm×H 0.45 mm)
- This EXC14CX type are designed to suppress noise from MIPI interface in Mobile Phone
- This filter can suppress not only common mode noise but also differential mode noise at mobile phone RF band
- Rigidly layered and sintered structure with high resistance to reflow heat and mounting reliability
- Lead, halogen, and antimony free
- RoHS compliant

■ **Recommended Applications**

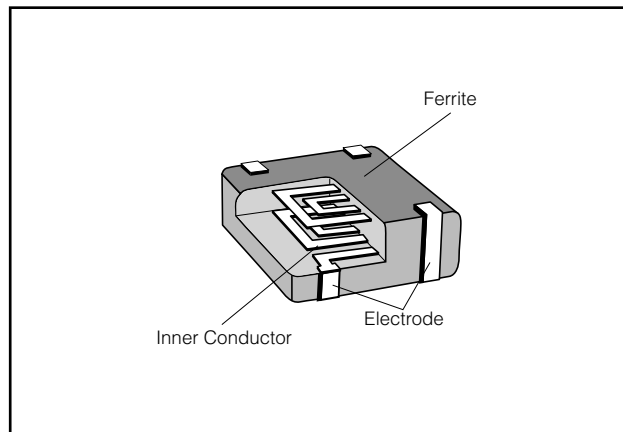
- Mobile phone, DSC, notebook PCs and Digital displays
- Noise suppression of high-speed data lines such as MIPI, USB and LVDS

■ **Explanation of Part Numbers**

1	2	3	4	5	6	7	8	9	10	11	12
E	X	C	1	4	C	X	9	0	0	U	
Product Code			Size	Number of Terminals	Type	Characteristics	Nominal Impedance			Form	Suffix

Noise Filter	Code	Dimensions(mm)	4 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
	1	0.85 × 0.65 × 0.45 (L) × (W) × (H)				Both Common mode and Differential mode noise suppression type		U	Embossed Carrier Taping 2 mm pitch, 10,000 pcs.

■ **Construction**



■ **Dimensions in mm (not to scale)**

Type (inch size)	Dimensions (mm)						Mass (Weight) [mg/pc.]
	A	B	C	D	E	F	
EXC14C (0302)	0.65±0.05	0.85±0.05	0.45±0.05	0.10 min.	0.50±0.10	0.27±0.10	1.4

■ **Circuit Configuration(No Polarity)**

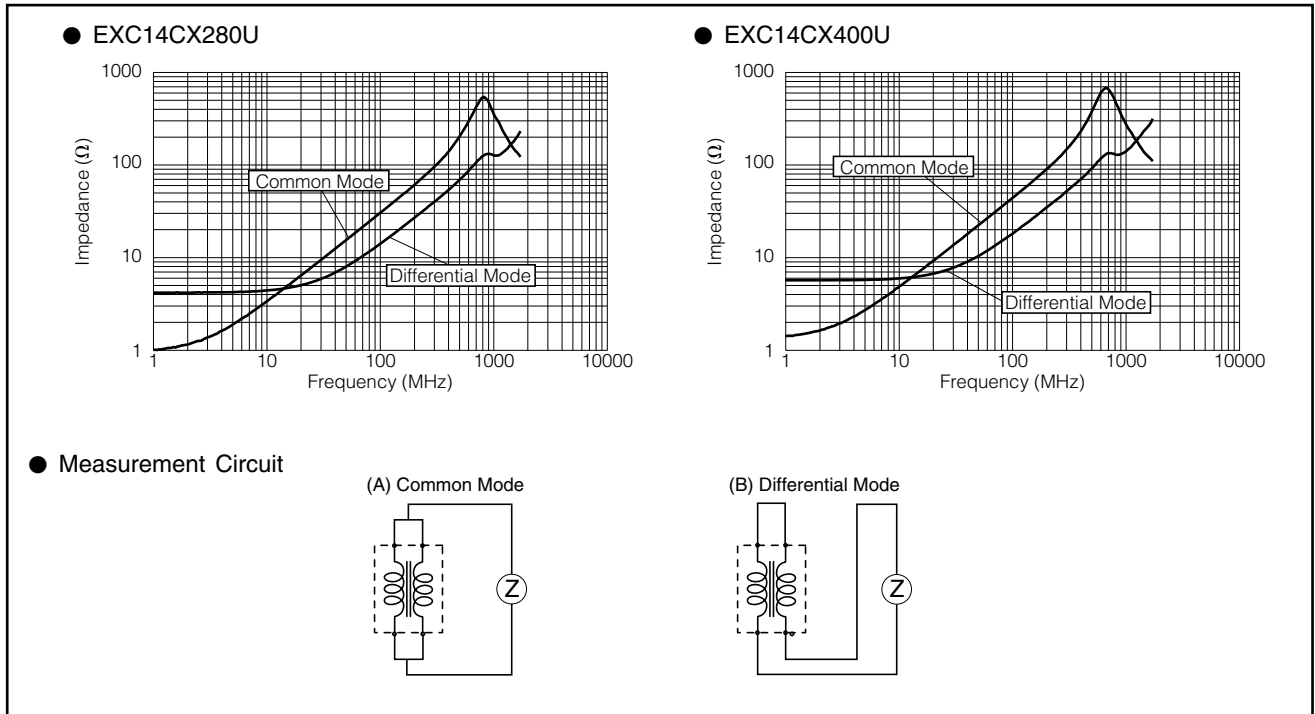
*The pin numbers shown here are for reference purposes only. Confirm the actual pin number arrangement with the exchanged specification documents.

■ Ratings

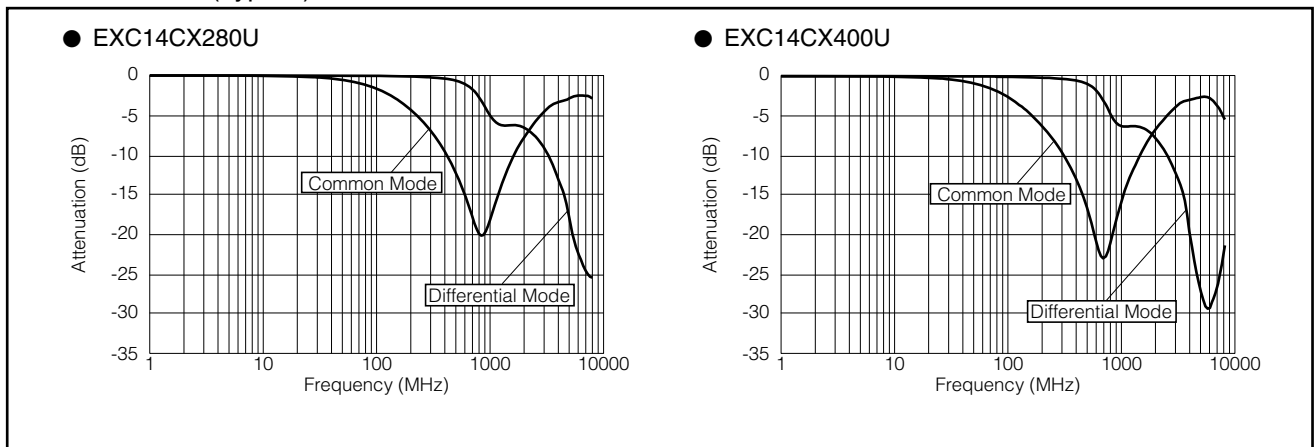
Part Number	Impedance (Ω) at 100 MHz		Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance (Ω)max.
	Common Mode	Differential Mode			
EXC14CX280U	28 Ω ±20 %	25 Ω max.	5	130	3.0
EXC14CX400U	40 Ω ±25 %	30 Ω max.	5	130	4.0

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

■ Impedance Characteristics (Typical)



■ Insertion Loss (Typical)



■ Packaging Methods, Land Pattern, Soldering Conditions and Safety Precautions

Please see Related Information