

EXC Series Line Extension

Common Mode Noise Filters



High Frequency Noise Suppression, Now Available in Expanded Sizes!

Panasonic, a worldwide leader in Resistor Products, introduces the expansion of the **EXC Series Common Mode Noise Filters**. These common mode noise filters, used for filtering high frequency noise, are now available in expanded size options. In addition to suppressing common mode noise, the EXC Series can also suppress differential mode noise in the mobile phone RF band while minimizing deformations of transmitted signal waveforms. For details on the size expansion and application please see below:

EXC-xxCE type: Suitable for USB2.0, LVDS and MIPI standards. Expanding from 0504 inch (EXC24CE) to 0805 (EXC34CE), 0302 (EXC14CE), and 02502 (EXCX4CE). Expanding array option from 0805 (EXC28CE) to 0603 (EXC18CE).

EXC-xxCG type: Suitable for USB2.0, HDMI standards with low impedance. Expanding from 0504 (EXC24CG) to 0302 (EXC14CG), and array option from 0805 (EXC28CG) to 0603 (EXC18CG).

EXC-xxCH type: Suitable for high speed standard such as USB3.0. Sizes include 1210 array (EXC24CH) and 2010 array (EXC28CH).

EXC-xxCX type: Suitable for USB2.0, MIPI and LVDS standards, with special feature of first-harmonic filter. Available in 0302 size (EXC14CX).

Features

- Rigidly Layered and Sintered Structure
- No Adhesive Used
- Excellent Attenuation Characteristics
- Improved Receiving Sensitivity in End Use Products
- RoHS / REACH Compliant

Benefits

- High Resistance to Reflow Heat with High Mounting Reliability
- Thick Silver Electrode Improves Soldering Form
- Suppress High Frequency Noise from 3G and 4G (LTE)
- Suppress High Frequency Noise from USB, MIPI and LVDS

Industries

- Communications
- Audio/Visual

Applications

- Mobile Communications (Cell Phone, Tablet, PC)
- High-Speed Data Lines (MIPI, USB, LVDS)

Part Number Information (Example)

E	X	C	-	X	4	C	E	9	0	0	U	
Product Code				Size	Num. Terminals	Type	Char.	Nominal Impedance			Form	Suffix

Additional Information

For detailed specification information on the **EXC Series**, visit our website at:

<http://us.panasonic.com/industrial/electronic-components/resistive-products/>