

MCZ Series Common Mode Filters

Multilayer Common Mode Filters for High-speed Signal Lines



TDK's MCZ Series Common Mode Filters were designed for use in high-speed and ultra-high speed differential signal lines. They consist of a multilayer structure and have a widened frequency range for differential mode transmission, while ensuring common mode impedance. The MCZ Series suppresses common mode noise without influencing the high-speed differential transmission line signal.

Features

- Suppresses common mode noise without influencing the high-speed differential transmission line signal
- No polarity
- Operating temperature range of -40°C to $+85^{\circ}\text{C}$
- Storage temperature range of -40°C to $+85^{\circ}\text{C}$ after the circuit board is mounted

High-Speed

Commercial

Multilayer



Applications

- Electronic equipment high-speed interface (LVDS, USB2.0, MHL)
- PDP/LCD/DLP/PJ TVs
- DVCs
- HDMI, DVI
- Mobile Phones, PCs, DSCs, Portable Game Machines
- DVD Players
- Mobile Audio
- USB3.0

MCZ Series Information

Series	Case Size (mm)	Impedance Range (Ω)	DC Resistance (Ω) max.	Rated Current (mA) max.	Quantity per Reel
MCZ1210DH	1.2 x 1.0	50, 90	2.5, 3.0	100	4,000
MCZ2010DH	2.0 x 1.0	90	3.0	100	5,000
MCZ1210CH	1.2 x 1.0	24, 90	1.0, 3.0	100	4,000
MCZ2010CH	2.0 x 1.0	24, 90	1.0, 3.0	100	5,000
MCZ0605AH	0.6 x 0.5	35, 90	3.0	100	10,000
MCZ0806CH	0.8 x 0.6	22, 35, 50, 90	1.5, 2.5, 3.0, 4.0	100	10,000
MCZ1210AH	1.2 x 1.0	36, 90, 200, 300	1.0, 1.75, 4.0, 4.5	200, 100, 100, 100	4,000
MCZ2010AH	2.0 x 1.0	90, 120, 200	1.5, 2.0, 3.5	100	5,000