



**THE DATASHEET OF
MCZ2010AH201L4T000**



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 |

Looking for pricing, stock, or lifecycle information?

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