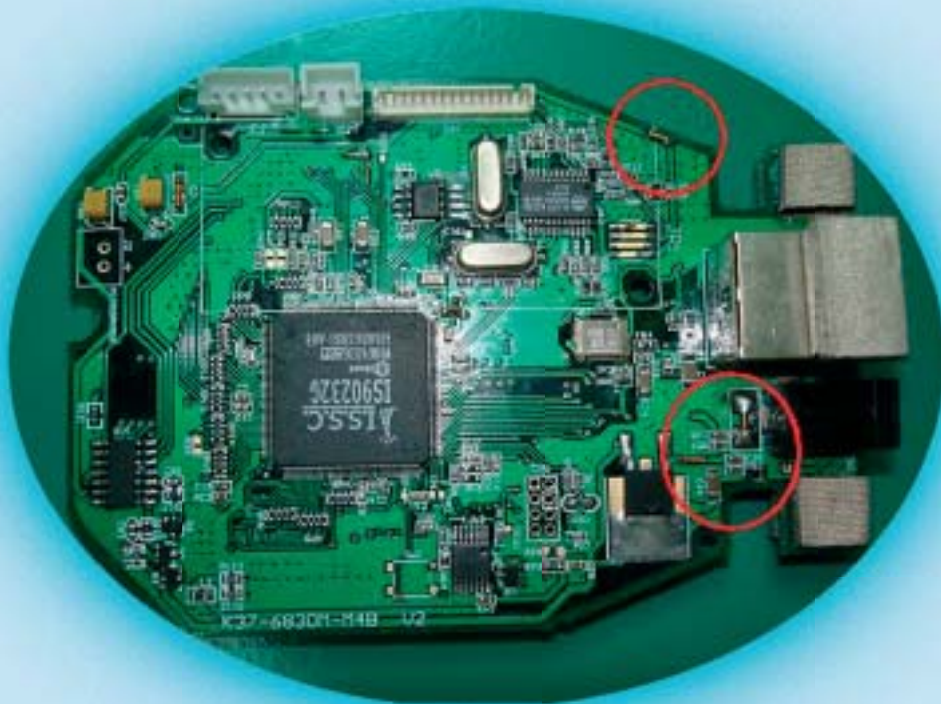
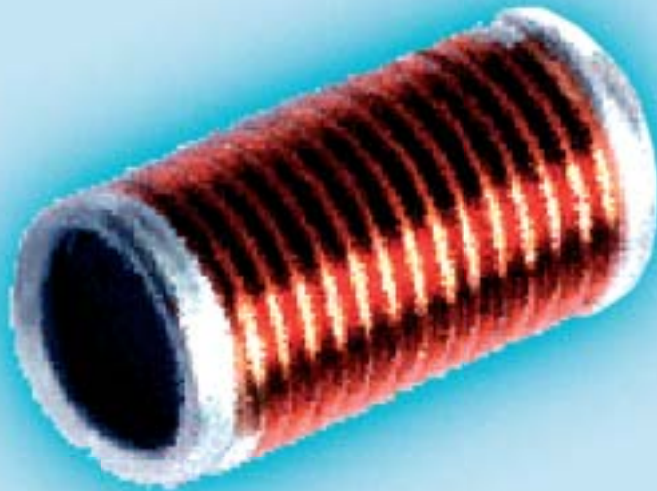


ULTRA WIDE-BAND NOISE SUPPRESSION DEVICE

Ferroxfilter



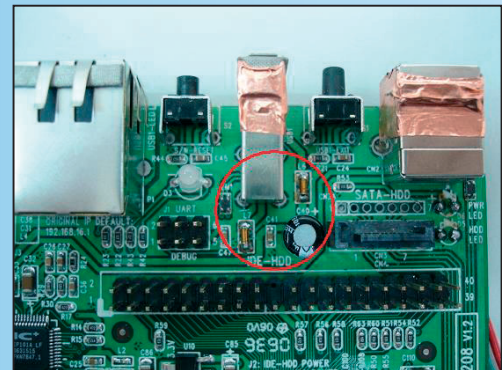
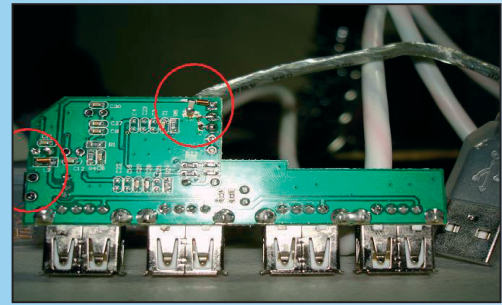
FERROXCUBE

A YAGEO COMPANY

Ferroxfilters

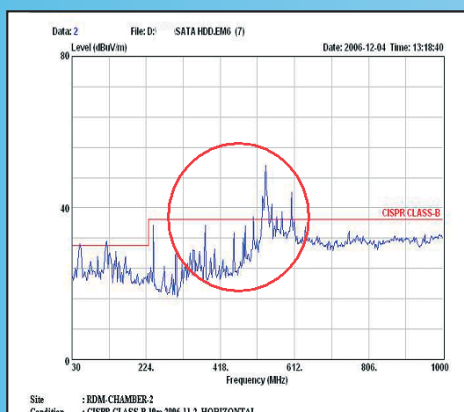
Ferroxfilters are a powerful solution for EMI/ RFI attenuation for electronic equipment. Supplied in two sizes (0603 and 1005), they are very suitable for filtering ultra-wideband noise up to 7 GHz.

When installed in series with the V_{CC} pin of the chip set on the circuit, ultra- wideband noise can be decoupled from the DC voltage source. No need for ground termination, which makes these devices very suitable for circuits with difficult ground.

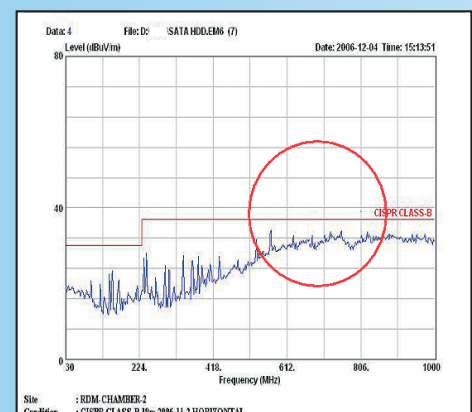


Applications

- 300 KHz – 7 GHz Ultra-wideband DC decoupling
- High speed image processing
- High speed interface
- Wireless LAN
- On board DC voltage source noise Decoupling (for PLL/DAC chipsets)
- RF module



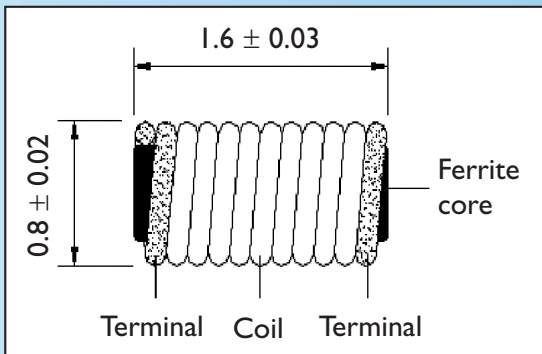
Noise suppression
by
Ferroxfilter solution



Hard disk drives of company Sata Drives ; measurement courtesy RDM Technology.

Measured according to CISPR class B (for domestic and residential areas), at 10 m distance in the horizontal plane. CISPR would now be in Europe : EN 61000-6-3 for emissions in residential, commercial and light industry.

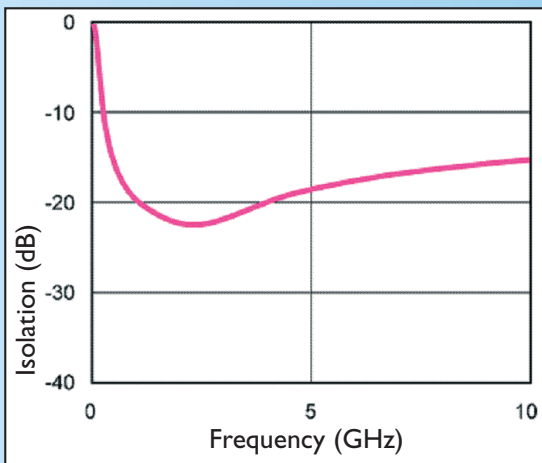
FERROXFILTER CWF0603-4B1

**Electrical Specification**AC Characteristics ($T_a = 25\text{ }^{\circ}\text{C}$)

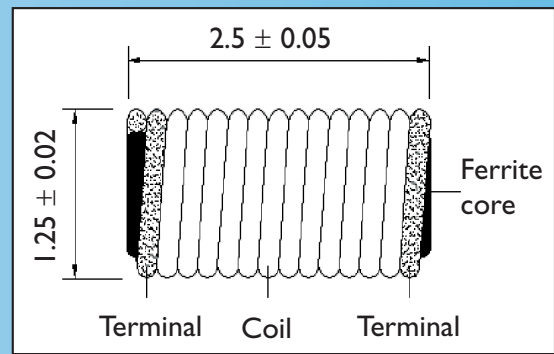
Bandwidth	800~7100 MHz	-15 dB
	1400~4000 MHz	-20 dB

DC Characteristics ($T_a = 25\text{ }^{\circ}\text{C}$)

DC Resistance	40 m Ω (max)
Rated Current	2000 mA (min)



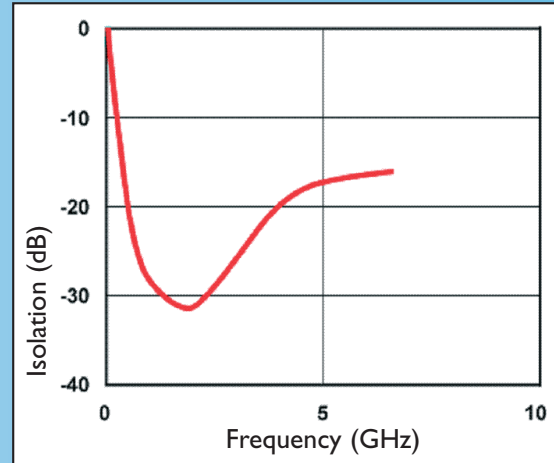
FERROXFILTER CWF1005-4E1

**Electrical Specification**AC Characteristics ($T_a = 25\text{ }^{\circ}\text{C}$)

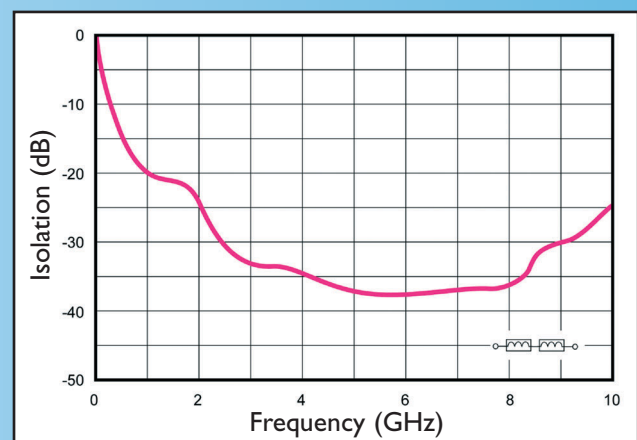
Bandwidth	300~7000 MHz	-15 dB
	500~3700 MHz	-20 dB

DC Characteristics ($T_a = 25\text{ }^{\circ}\text{C}$)

DC Resistance	90 m Ω (max)
Rated Current	2500 mA (min)



Unlike conventional EMI suppression beads or inductors, when two or more Ferroxfilters are connected in series there is no resonance phenomenon.



FERROXCUBE - your global partner

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