



Microair Avionics Pty Ltd

ABN 92 091 040 032

PO Box 5532
Airport Drive
Bundaberg West
Queensland 4670 Australia

Phone: +61 7 4155 3048
Fax: +61 7 4155 3049
Email: info@microair.com.au
Web: www.microair.com.au

RF Interference

“RFI” speaks to the radiated energy coming from the engine’s ignition systems (spark plugs etc), or equipment fitted with high frequency power inverters (used with colour graphics displays), and high speed data leads (commonly found in the wiring of GPS and AHRS units). This type of “radiated” noise is “induced” into the wiring, and is picked up by the radio.

A defense against this type of noise is the use of ferrite core suppression. These devices are fitted over wiring harnesses to “attenuate” the RF noise signals passing along the wires.

MULTICOMP - LF35B - FERRITE CORE, HINGED, 3.5MM

- FERRITE CORE, HINGED, 3.5MM
- Series:LF
- Typ Impedance @ 100MHz:115ohm
- Resistance:10Mohm
- External Diameter:14.5mm
- Internal Diameter:3.8mm
- Case Style:Split Ferrite Core
- Case Material:Black Nylon 66
- External Length / Height:25.2mm
- Flammability Rating:UL94V-0
- Max Cable Diameter:3.5mm
- Max Frequency:300MHz
- Min Frequency:10MHz
- Resistance, Insulation:10Mohm
- Typ Impedance @ 25MHz:4.5ohm



MULTICOMP - LF-65B - FERRITE CORE, HINGED, 6.5MM

- FERRITE CORE, HINGED, 6.5MM
- Series:LF
- Typ Impedance @ 100MHz:220ohm
- Resistance:10Mohm
- Case Style:Split Ferrite Core
- Case Material:Black Nylon 66
- External Depth:32mm
- External Length / Height:19mm
- Flammability Rating:UL94V-0
- Max Cable Diameter:6.5mm
- Max Frequency:300MHz
- Min Frequency:10MHz
- Resistance, Insulation:10Mohm
- Typ Impedance @ 25MHz:135ohm
- Width, External:19.5mm





Microair Avionics Pty Ltd

ABN 92 091 040 032

PO Box 5532
Airport Drive
Bundaberg West
Queensland 4670 Australia

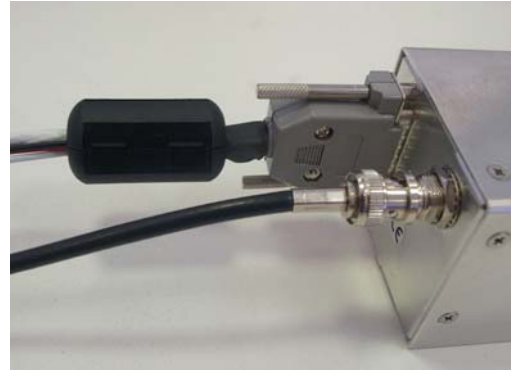
Phone: +61 7 4155 3048
Fax: +61 7 4155 3049
Email: info@microair.com.au
Web: www.microair.com.au

ZCAT SERIES – CLAMP FILTER ZCAT2017-0930



- 9mm
- oval
- Unique plastic case ensures simple, convenient installation
Includes a self-holding mechanism to prevent slippage on
- Includes a self holding mechanism to prevent slippage on cables
- Ferrite core provides excellent absorption of high-frequency EMC
- Highly effective as a countermeasure against common mode EMC
- Without adverse effect on signal quality
- Large core size prevents saturation during large signal surges

The best location for ferrite core suppressors is as close to the point of connection as possible.





Microair Avionics Pty Ltd

ABN 92 091 040 032

PO Box 5532
Airport Drive
Bundaberg West
Queensland 4670 Australia

Phone: +61 7 4155 3048
Fax: +61 7 4155 3049
Email: info@microair.com.au
Web: www.microair.com.au

Another good location for a ferrite core suppressors are the mic jacks. Locate the ferrite on the mic lines as close to the jack as possible.



**View Typical Aircraft Electrical Systems document on website for suggested placement.
www.microair.com.au - helpful hints**