

Clamp Filters For Cable

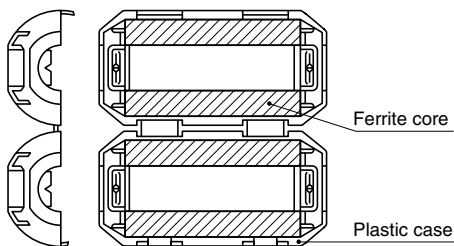
Conformity to RoHS Directive

ZCAT Series

FEATURES

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

INTERNAL CONSTRUCTION



APPLICATIONS

Personal computers, word processors, monitors, hard disk drives, digital telephones, audio devices, electronic musical instruments, video games, copiers and facsimiles.

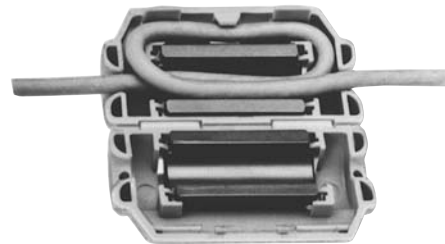
PRODUCT IDENTIFICATION

| | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|---|----|
| ZCAT | 24 | 36 | - | 13 | 30 | A | - | BK |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | | |

- (1) Series name
 (2) Outer dimensions(mm)
 (3) Length(mm)
 (4) Inner dimensions(mm)
 (5) Material code
 (6) Fixed type code
 A: Cable fixed
 Hold the cable to secure it with the main body
 AP: Cable fixed
 (with lock mechanism)
 B: Clamp fixed
 C: Cable coil securing type
 (Coil the cable one time within the case to fix it/with lock mechanism.)
 D: Flat cable type
 DT: Flat cable type (Hold with adhesive pad.)
 Non code: Band fixed
 (Secure the cable and main body with the nylon belt.)
 (7) Outer color code
 BK: Black
 Non code: Gray



ZCAT-C TYPE



PACKAGING STYLE AND QUANTITIES

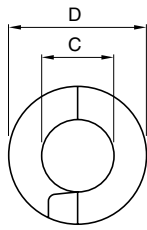
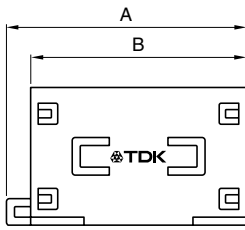
| Part No. | Quantity |
|------------|-----------------|
| ZCAT3035 | 200 pieces/box |
| ZCAT2017-B | 350 pieces/box |
| ZCAT2235 | 400 pieces/box |
| ZCAT2436 | 400 pieces/box |
| ZCAT2032 | 420 pieces/box |
| ZCAT2035 | 480 pieces/box |
| ZCAT2132 | 480 pieces/box |
| ZCAT2749 | 400 pieces/box |
| ZCAT1730 | 840 pieces/box |
| ZCAT2017 | 640 pieces/box |
| ZCAT1325 | 1344 pieces/box |
| ZCAT1518 | 896 pieces/box |
| ZCAT1525 | 900 pieces/box |
| ZCAT3618-D | 480 pieces/box |
| ZCAT4625-D | 240 pieces/box |
| ZCAT6819-D | 160 pieces/box |

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

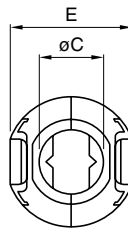
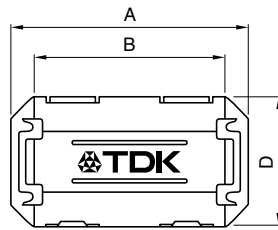
• All specifications are subject to change without notice.

SHAPES AND DIMENSIONS

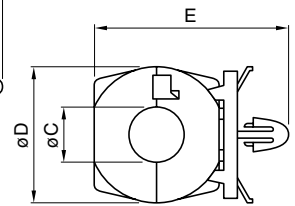
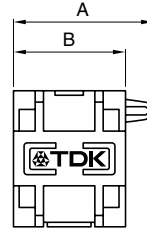
ZCAT TYPE



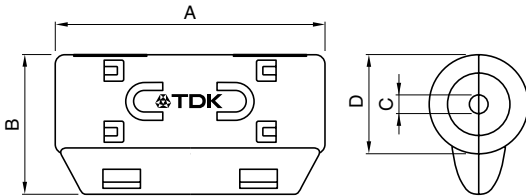
ZCAT-A, ZCAT-AP TYPE



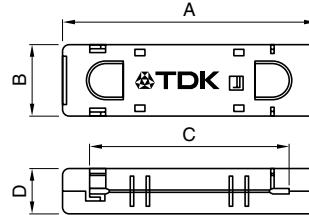
ZCAT-B TYPE



ZCAT-C TYPE



ZCAT-D TYPE



Applicable cable thickness: 1.3mm max.

Dimensions in mm

| Part No. | A | B | øC | øD | E | Applicable cable outer dia. | Weight(g) | Impedance freq. characteristics Fig. |
|------------------------|--------|--------|-------|--------|--------|-----------------------------|-----------|--------------------------------------|
| ZCAT1518-0730(BK)*1 | 22±1 | 18±1 | 7±1 | 15±1 | – | 7max. | 6 | 1 |
| ZCAT2017-0930(-BK)*1 | 21±1 | 17±1 | 9±1 | 20±1 | – | 9max. | 11 | 2 |
| ZCAT2032-0930(-BK)*1 | 36±1 | 32±1 | 9±1 | 19.5±1 | – | 9max. | 22 | 3 |
| ZCAT2132-1130(-BK)*1 | 36±1 | 32±1 | 11±1 | 20.5±1 | – | 11max. | 22 | 4 |
| ZCAT3035-1330(-BK)*1 | 39±1 | 34±1 | 13±1 | 30±1 | – | 13max. | 63 | 5 |
| ZCAT1525-0430AP(-BK) | 25±1 | 20±1 | 4±1 | 15±1 | 11.5±1 | 2.5 to 4(USB) | 7 | 4 |
| ZCAT1325-0530A(-BK) | 25±1 | 20±1 | 5±1 | 12.8±1 | 11.2±1 | 3 to 5(USB) | 7 | 4 |
| ZCAT1730-0730A(-BK) | 30±1 | 23±1 | 7±1 | 16.5±1 | 15±1 | 4 to 7(USB/IEEE1394) | 12 | 6 |
| ZCAT2035-0930A(-BK) | 35±1 | 28±1 | 9±1 | 19.5±1 | 17.4±1 | 6 to 9 | 22 | 3 |
| ZCAT2235-1030A(-BK) | 35±1 | 28±1 | 10±1 | 21.5±1 | 20±1 | 8 to 10 | 27 | 7 |
| ZCAT2436-1330A(-BK) | 36±1 | 29±1 | 13±1 | 23.5±1 | 22±1 | 10 to 13 | 29 | 8 |
| ZCAT2017-0930B(-BK) | 21±1 | 17±1 | 9±1 | 20±1 | 28.5±1 | 9max. | 12 | 2 |
| ZCAT2749-0430C(-BK) | 49±1 | 27±1 | 4.5±1 | 19.5±1 | – | 4.5max. | 26 | 9 |
| ZCAT3618-2630D(-BK) | 33.5±1 | 17.5±1 | 26±1 | 11.5±1 | – | For 20 wires flat cable | 15 | 10 |
| ZCAT3618-2630DT(-BK)*2 | 33.5±1 | 17.5±1 | 26±1 | 12.5±1 | – | For 20 wires flat cable | 15 | 10 |
| ZCAT4625-3430D(-BK) | 45.5±1 | 24.5±1 | 34±1 | 12±1 | – | For 26 wires flat cable | 32 | 11 |
| ZCAT4625-3430DT(-BK)*2 | 45.5±1 | 24.5±1 | 34±1 | 13±1 | – | For 26 wires flat cable | 32 | 11 |
| ZCAT6819-5230D(-BK) | 67.5±1 | 18.5±1 | 52±1 | 16±1 | – | For 40 wires flat cable | 58 | 11 |
| ZCAT6819-5230DT(-BK)*2 | 67.5±1 | 18.5±1 | 52±1 | 17±1 | – | For 40 wires flat cable | 58 | 11 |

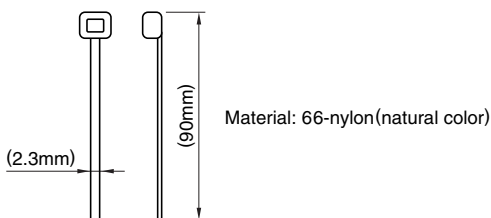
*1 These products are delivered with fixed band.

*2 ZCAT-DT type: Adapted for flat cables and hold with adhesive pad.

• ZCAT-B type: Clamp fixed type installation hole diameter ø4.8 to 4.9mm, thickness of board 0.5 to 2mm.

• ZCAT-AP, ZCAT-C type: Once closed, the case will not be easily opened manually.

STRUCTURE OF THE MOUNTING BAND



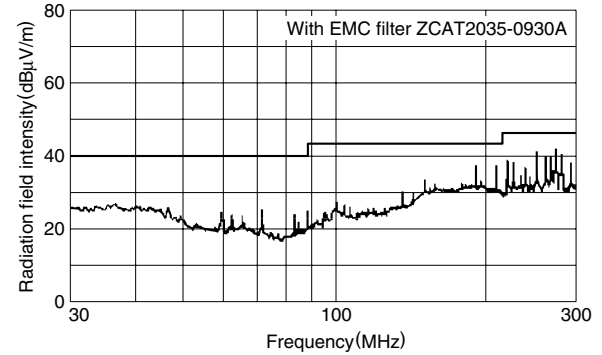
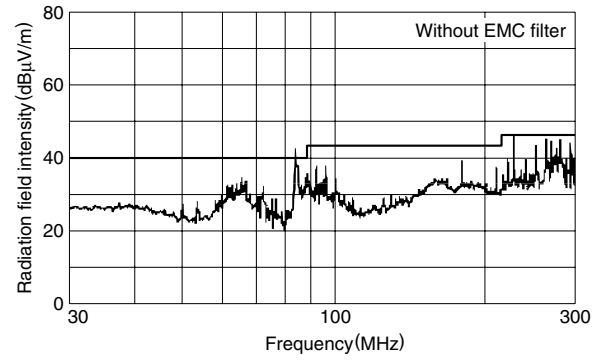
ELECTRICAL CHARACTERISTICS

| Part No. | Impedance (Ω)min.[50 to 500MHz] |
|-------------------|--|
| ZCAT1518-0730 | 35 |
| ZCAT2017-0930 | 35 |
| ZCAT2032-0930 | 80 |
| ZCAT2132-1130 | 50 |
| ZCAT3035-1330 | 100 |
| ZCAT1525-0430AP | 50 |
| ZCAT1325-0530A | 50 |
| ZCAT1730-0730A | 50 |
| ZCAT2035-0930A | 80 |
| ZCAT2235-1030A | 80 |
| ZCAT2436-1330A | 50 |
| ZCAT2017-0930B | 35 |
| ZCAT2749-0430C | 80 |
| ZCAT3618-2603D(T) | 30 |
| ZCAT4625-3430D(T) | 35 |
| ZCAT6819-5230D(T) | 35 |

• Test conditions: R-X meter at unloaded condition, ϕ 1mm solder plated copper wire passes through.

TYPICAL EMC SUPPRESSION EFFECTS

RADIATION LEVEL vs. FREQUENCY CHARACTERISTICS



TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

ZCAT1518-0730

ZCAT2017-0930

ZCAT2032-0930
ZCAT2035-0930A

ZCAT1525-0430AP
ZCAT2132-1130
ZCAT1325-0530A

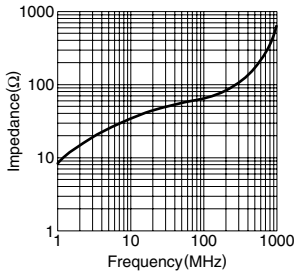


Fig.1

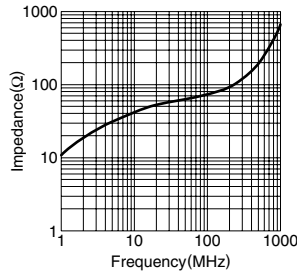


Fig.2

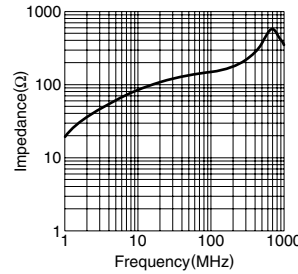


Fig.3

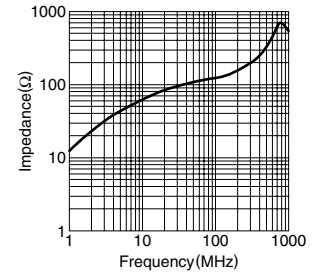


Fig.4

ZCAT3035-1330

ZCAT1730-0730A

ZCAT2235-1030A

ZCAT2436-1330A

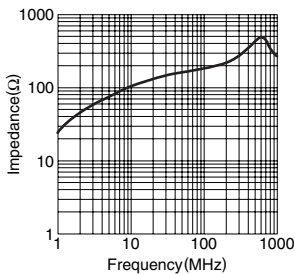


Fig.5

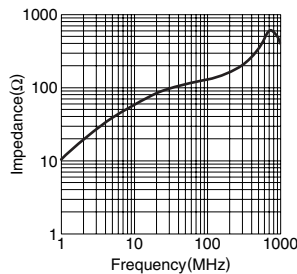


Fig.6

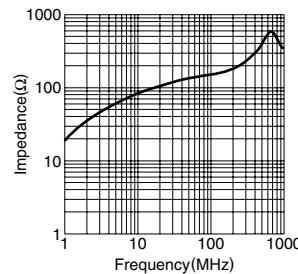


Fig.7

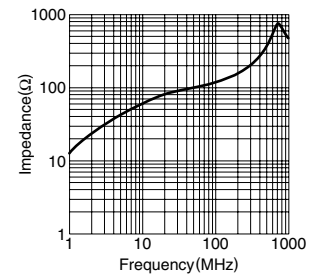


Fig.8

• All specifications are subject to change without notice.

TYPICAL ELECTRICAL CHARACTERISTICS
IMPEDANCE vs. FREQUENCY CHARACTERISTICS

ZCAT2749-0430C

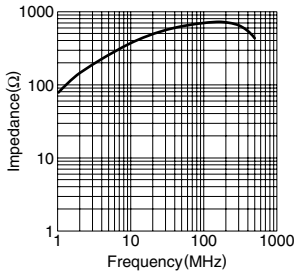


Fig.9

ZCAT3618-2630D

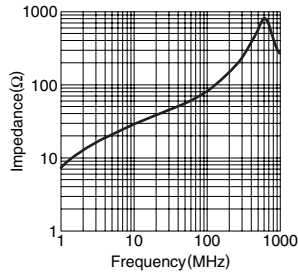


Fig.10

ZCAT4625-3430D
ZCAT6819-5230D

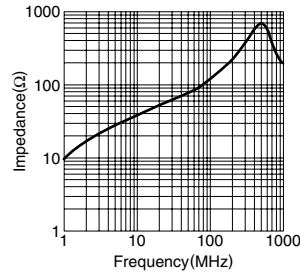


Fig.11