

EMC Components

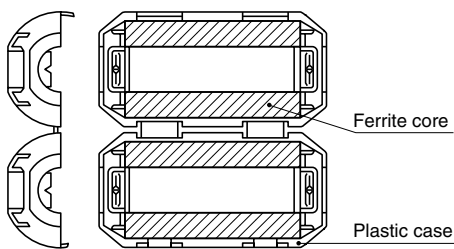
Clamp Filters For Cable

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.

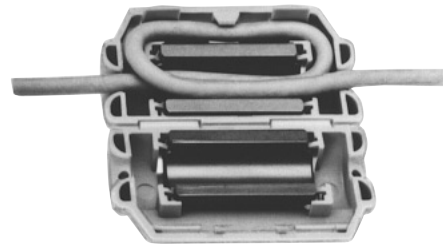
PRODUCT IDENTIFICATION

| | | | | | | | | |
|------|-----|-----|---|-----|-----|-----|---|-----|
| 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 | 140 pieces/box |
| ZCAT2017-B | 350 pieces/box |
| ZCAT2235 | 350 pieces/box |
| ZCAT2436 | 350 pieces/box |
| ZCAT2032 | 400 pieces/box |
| ZCAT2035 | 400 pieces/box |
| ZCAT2132 | 400 pieces/box |
| ZCAT2749 | 400 pieces/box |
| ZCAT1730 | 500 pieces/box |
| ZCAT2017 | 800 pieces/box |
| ZCAT1325 | 900 pieces/box |
| ZCAT1518 | 900 pieces/box |
| ZCAT1525 | 900 pieces/box |
| ZCAT3618-D | 480 pieces/box |
| ZCAT4625-D | 240 pieces/box |
| ZCAT6819-D | 160 pieces/box |

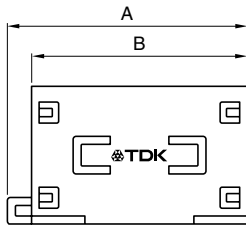
EMC Components

ZCAT Series

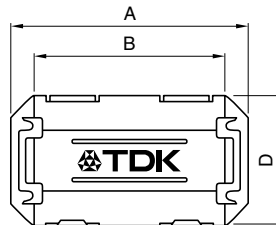
Clamp Filters For Cable

SHAPES AND DIMENSIONS

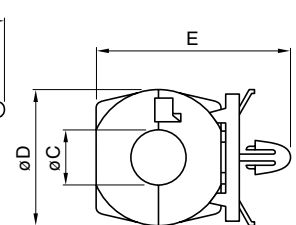
ZCAT TYPE



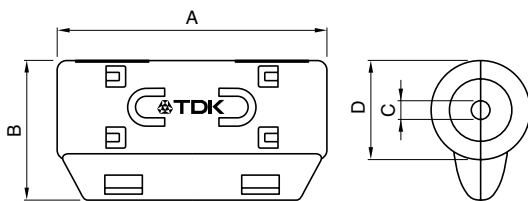
ZCAT-A, ZCAT-AP TYPE



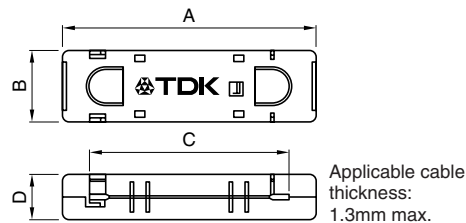
ZCAT-B TYPE



ZCAT-C TYPE



ZCAT-D TYPE



Dimensions in mm

| Part No. | A | B | ϕC | ϕD | 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 |

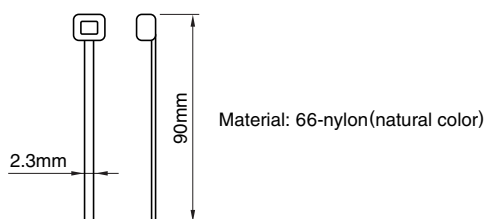
^{*1} These products are delivered with fixed band.

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

• ZCAT-B type: Clamp fixed type installation hole diameter $\phi 4.8$ to 4.9 mm, thickness of board 0.5 to 2 mm.

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

STRUCTURE OF THE MOUNTING BAND



EMC Components

ZCAT Series

Clamp Filters For Cable

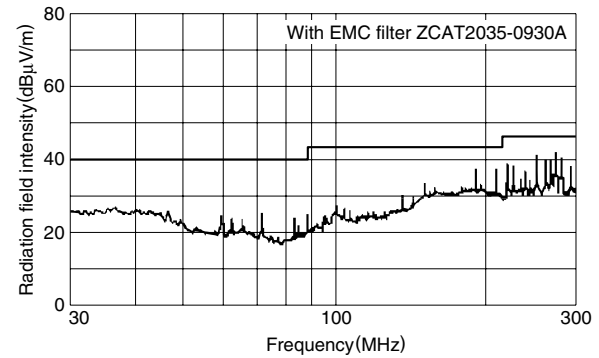
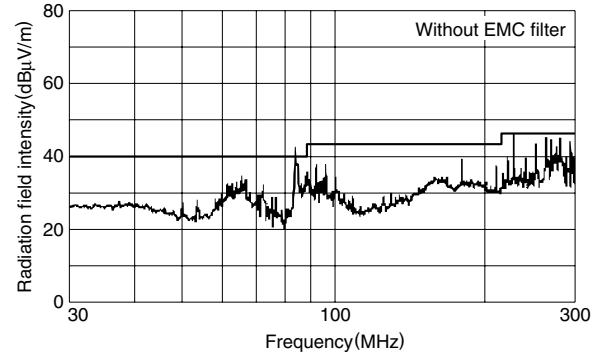
ELECTRICAL CHARACTERISTICS

| 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

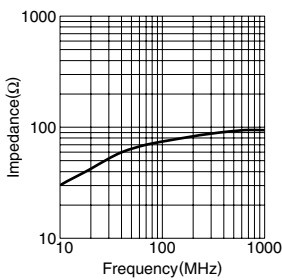


Fig.1

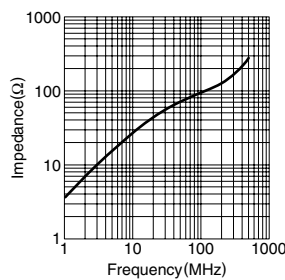


Fig.2

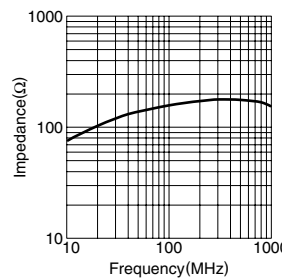


Fig.3

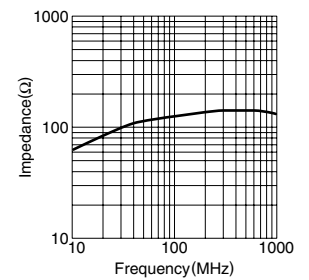


Fig.4

ZCAT3035-1330

ZCAT1730-0730A

ZCAT2235-1030A

ZCAT2436-1330A

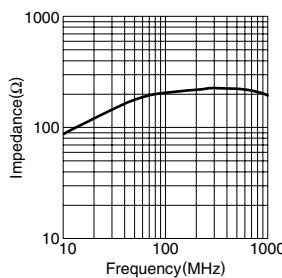


Fig.5

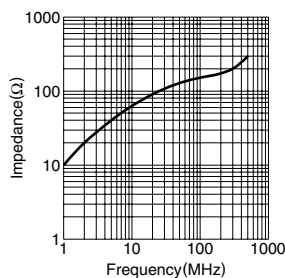


Fig.6

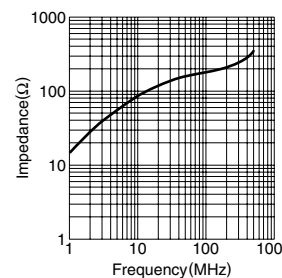


Fig.7

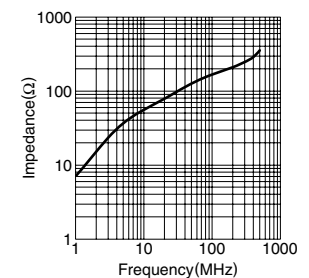


Fig.8

EMC Components

ZCAT Series

Clamp Filters
For Cable

TYPICAL ELECTRICAL CHARACTERISTICS IMPEDANCE vs. FREQUENCY CHARACTERISTICS

ZCAT2749-0430C

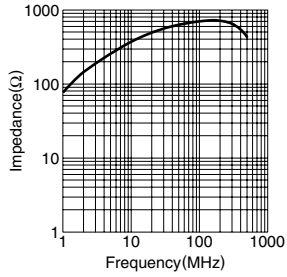


Fig.9

ZCAT3618-2630D

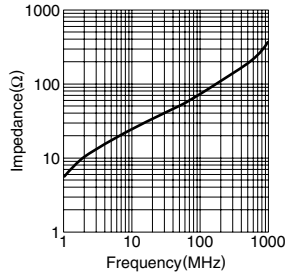


Fig.10

**ZCAT4625-3430D
ZCAT6819-5230D**

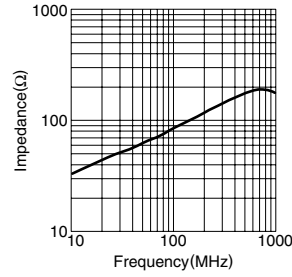


Fig.11