

EMC Components

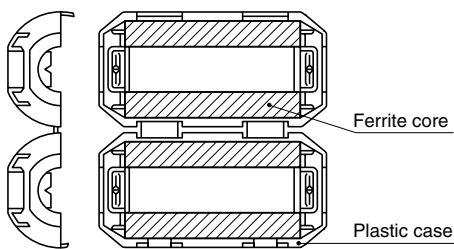
Clamp Filters For Cable

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.

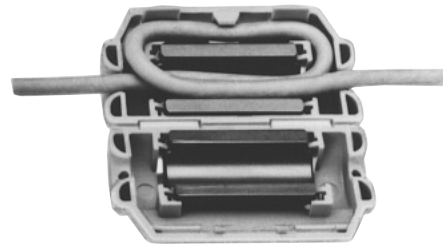
PRODUCT IDENTIFICATION

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

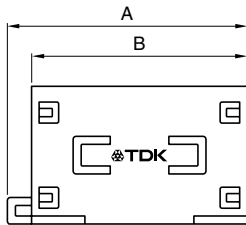
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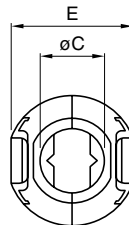
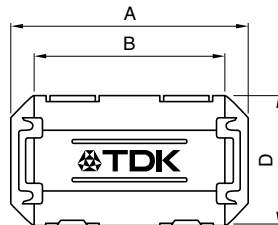
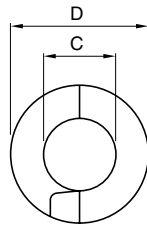
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SHAPES AND DIMENSIONS

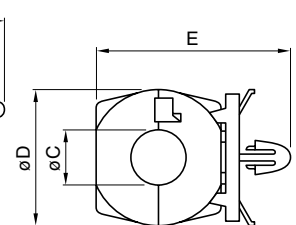
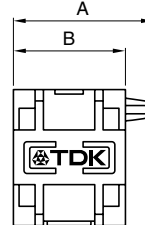
ZCAT TYPE



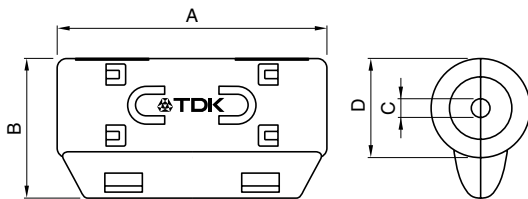
ZCAT-A, ZCAT-AP TYPE



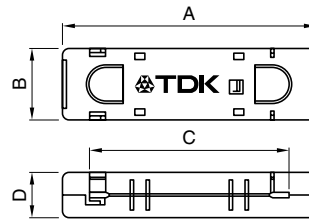
ZCAT-B TYPE



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

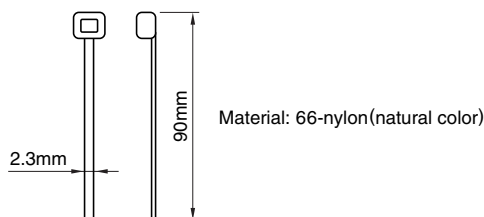
^{*1} These products are delivered with fixed band.

^{*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



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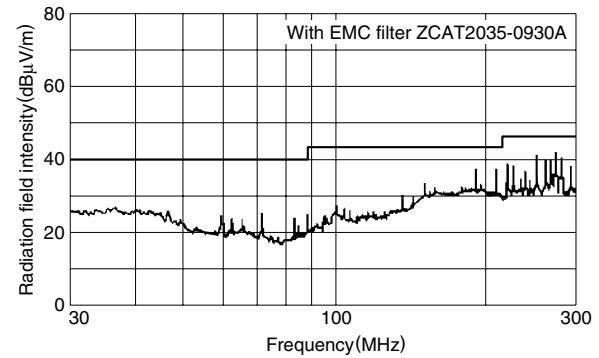
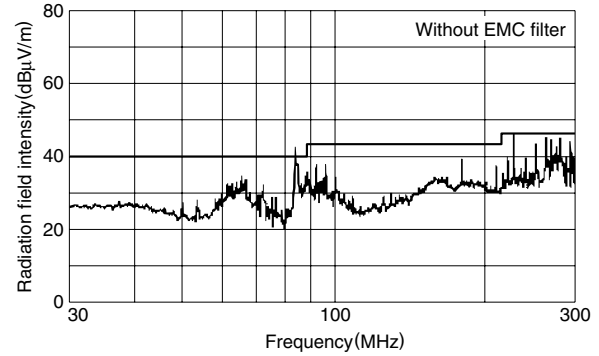
ELECTRICAL CHARACTERISTICS

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

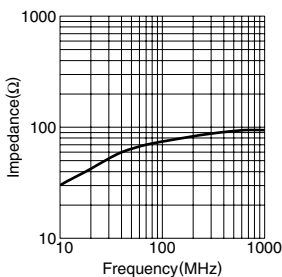


Fig.1

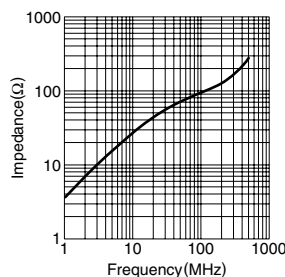


Fig.2

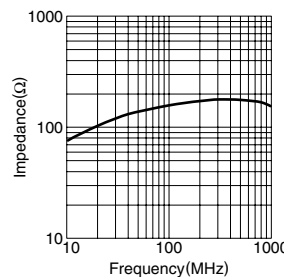


Fig.3

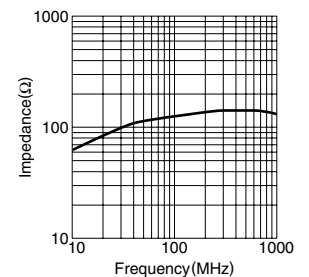


Fig.4

ZCAT3035-1330

ZCAT1730-0730A

ZCAT2235-1030A

ZCAT2436-1330A

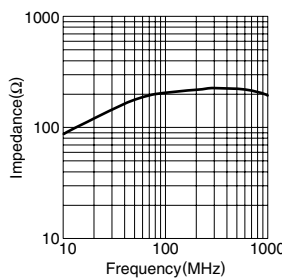


Fig.5

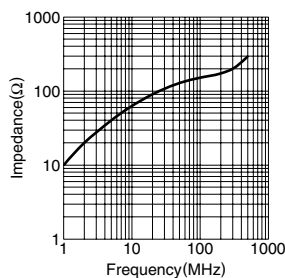


Fig.6

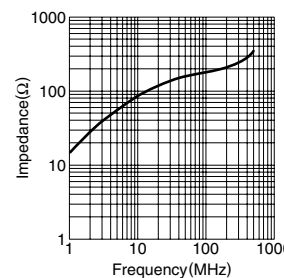


Fig.7

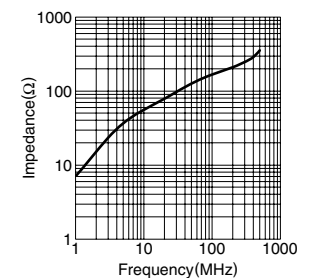


Fig.8

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TYPICAL ELECTRICAL CHARACTERISTICS IMPEDANCE vs. FREQUENCY CHARACTERISTICS

ZCAT2749-0430C

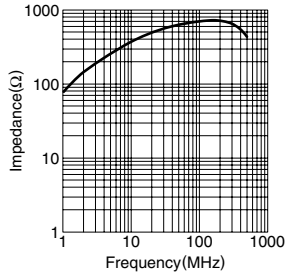


Fig.9

ZCAT3618-2630D

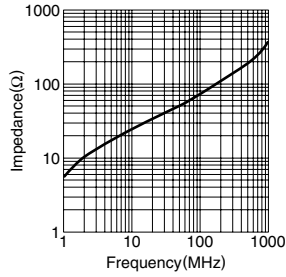


Fig.10

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

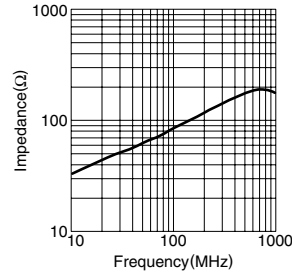


Fig.11