

EMC Components

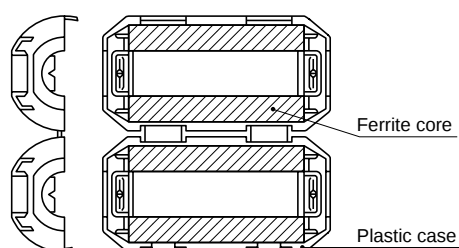
Clamp Filters For Cable

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.

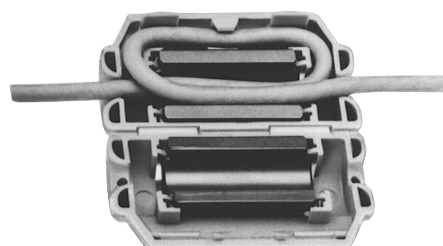
PRODUCT IDENTIFICATION

ZCAT	24	36	–	13	30	A	–	M	–	BK
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			

- (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) TDK internal code
 M: Standard type
 Non code: High impedance type
 (8) 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
ZCAT4625-D	240 pieces/box
ZCAT6819-D	160 pieces/box

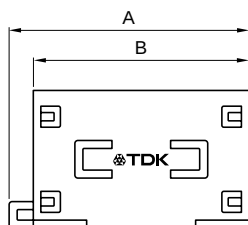
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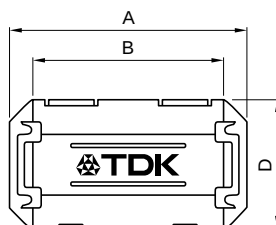
ZCAT Series

SHAPES AND DIMENSIONS

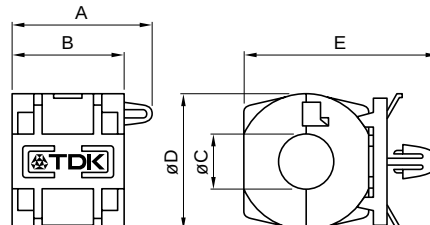
ZCAT TYPE



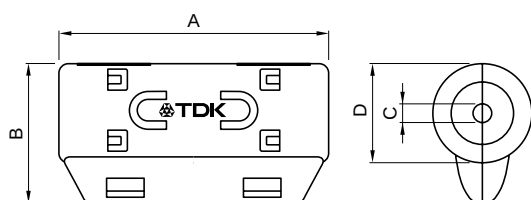
ZCAT-A, ZCAT-AP TYPE



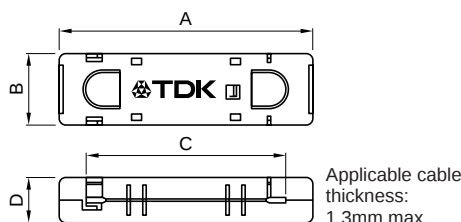
ZCAT-B TYPE



ZCAT-C TYPE



ZCAT-D TYPE



Dimensions in mm

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

*¹ Set M marking on product.

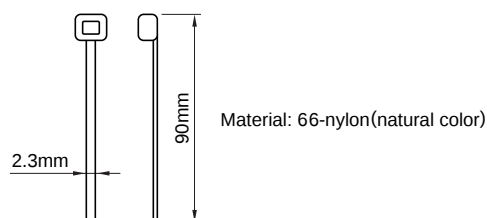
*² These products are delivered with fixed band.

*³ 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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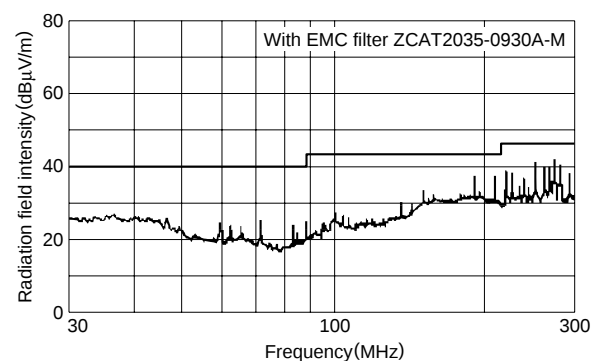
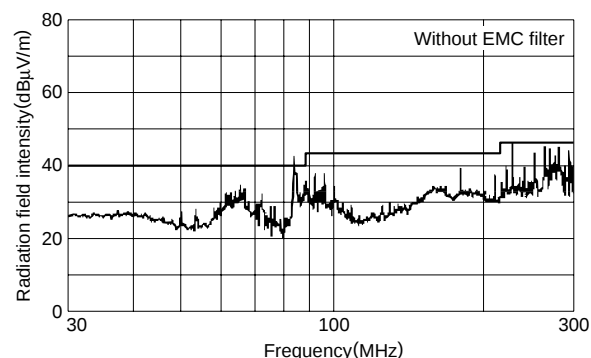
ELECTRICAL CHARACTERISTICS

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

- Test conditions: R-X meter at unloaded condition, $\phi 1\text{mm}$ solder plated copper wire passes through.

TYPICAL EMC SUPPRESSION EFFECTS

RADIATION LEVEL vs. FREQUENCY CHARACTERISTICS



TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

ZCAT1518-0730-M

ZCAT1518-0730

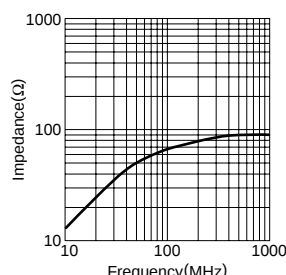


Fig.1

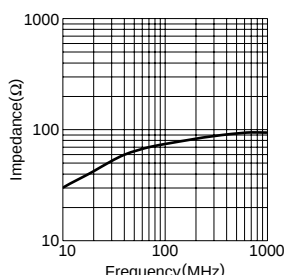


Fig.2

ZCAT2017-0930-M
ZCAT2017-0930B-M

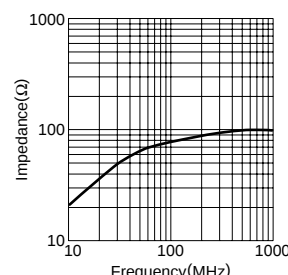


Fig.3

ZCAT2032-0930-M
ZCAT2035-0930A-M
ZCAT2235-1030A-M

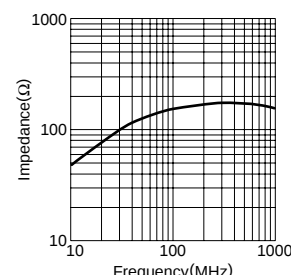


Fig.4

ZCAT2032-0930
ZCAT2035-0930A

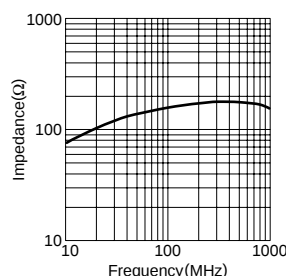


Fig.5

ZCAT2132-1130-M
ZCAT1325-0530A-M
ZCAT1525-0430AP-M
ZCAT1730-0730A-M

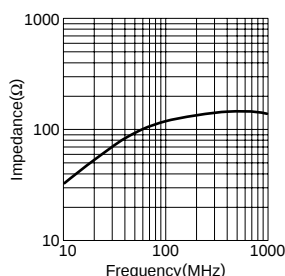


Fig.6

ZCAT2132-1130
ZCAT1325-0530A

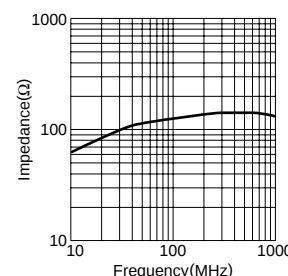


Fig.7

ZCAT3035-1330-M

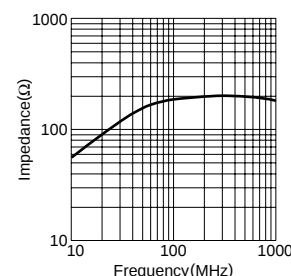


Fig.8

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TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

ZCAT3035-1330

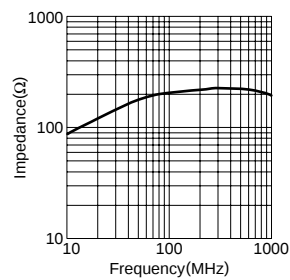


Fig.9

ZCAT2436-1330A-M

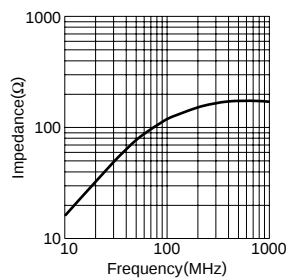


Fig.10

ZCAT2749-0430C-M(2TS)

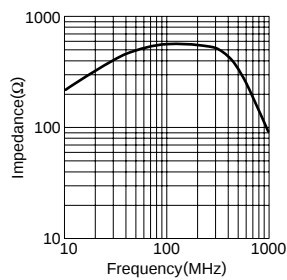


Fig.11

ZCAT4625-3430D
ZCAT6819-5230D

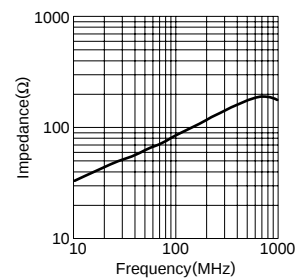


Fig.12