

# CLIP FERRITE CORE FOR FLAT CABLE / FI TYPE

## APPLICATIONS

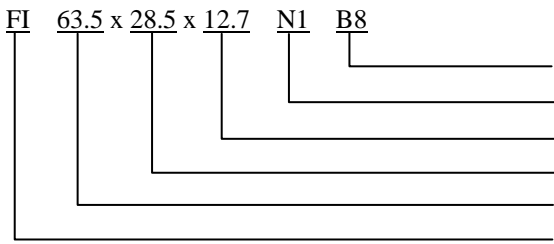
- ◆ Cables between pc boards and data connectors, floppy disk and hard disk ribbon cables, printer cables, retrofit, auxiliary EMI attenuation, internal ribbon cables with series digital signal busses



## MATERIAL

B8 B10 B15

## ORDERING CODE



Material  
CLIP  
B  
D  
A  
Product Symbol

CHIP : N1- Nylon Clamp  
N2- Nylon Clamp  
N3- Nylon Clamp  
M / M1- Metal Clamp  
M2- Wire Clamp

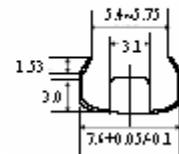
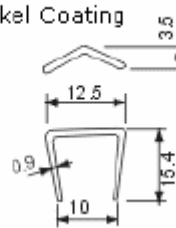
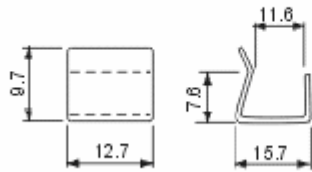
## CLIP MATERIAL

N1,N2,N3: Nylon-66(UL)  
Flame Class: 94V-2

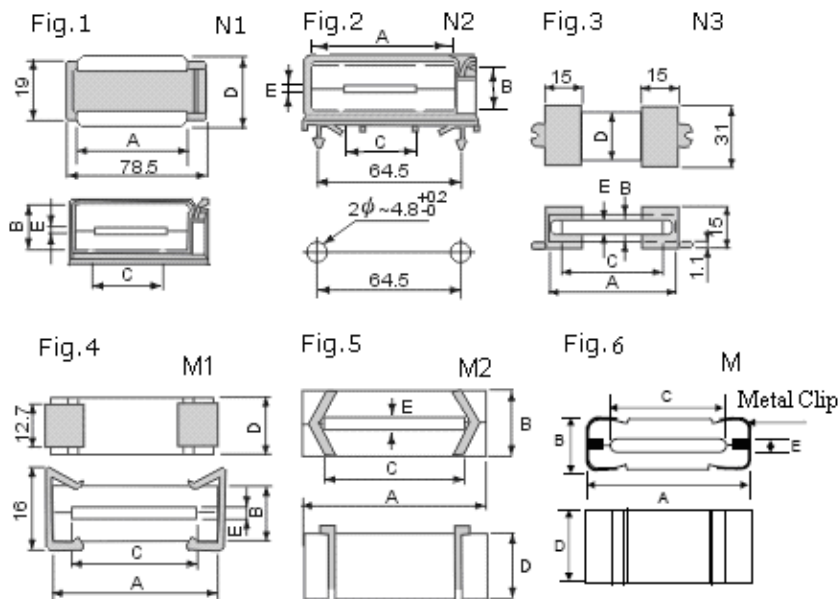
M1: Spring Steel  
Nickel Coating

M2: Piano wire  
Nickel Coating

M: SK5 WITH HEAT TREATMENT



## SHAPES



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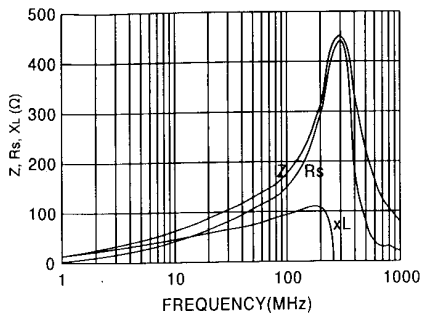
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# CLIP FERRITE CORE FOR FLAT CABLE / FI TYPE

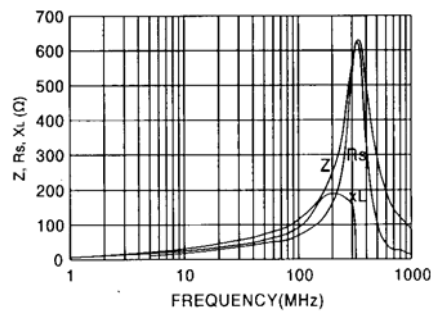
**DIMENSIONS: UNIT: mm**

Part No.	Fig.	A	B	C	D	E	Impedance(Ω)Min	
							25MHz	100MHz
FI 29x15x8 M	6	29.0±0.8	8.0±0.4	22.0±0.8	15.0±0.4	2.0+0.5/-0.3	30	80
FI 38x15x12.7 M2	5	38.0±1.0	12.7±0.5	26.6±0.7	15.0±0.4	1.6±0.4	40	115
FI 38x25.4x12.7 M1	4	38.0±1.0	12.7±0.5	26.6±0.7	25.4±0.7	1.6±0.4	75	140
FI 45x15x12.7 M2	5	45.0±1.0	12.7±0.5	34.4±0.7	15.0±0.4	1.6±0.4	40	90
FI 45x28.5x12.7 M1	4	45.0±1.0	12.7±0.5	34.4±0.7	28.5±0.7	1.6±0.4	70	140
FI 45x28.5x12.7 N3	3	45.0±1.0	12.7±0.5	34.4±0.7	28.5±0.7	1.6±0.4	70	140
FI 55.1x15x12.7 M2	5	55.1±1.0	12.7±0.5	43.7±1.0	15.0±0.4	1.6±0.4	40	105
FI 55.1x28.5x12.7 M1	4	55.1±1.0	12.7±0.5	43.7±1.0	28.5±0.7	1.6±0.4	65	140
FI 55.1x28.5x12.7 N3	3	55.1±1.0	12.7±0.5	43.7±1.0	28.5±0.7	1.6±0.4	65	140
FI 63.5x15x12.7 M2	5	63.5±1.2	12.7±0.5	52.0±1.0	15.0±0.4	1.6±0.4	40	95
FI 63.5x28.5x12.7 M1	4	63.5±1.2	12.7±0.5	52.0±1.0	28.5±0.7	1.6±0.4	60	150
FI 63.5x28.5x12.7 N1	1	63.5±1.2	12.7±0.5	52.0±1.0	28.5±0.7	1.6±0.4	60	150
FI 63.5x28.5x12.7 N2	2	63.5±1.2	12.7±0.5	52.0±1.0	28.5±0.7	1.6±0.4	60	150
FI 63.5x28.5x12.7 N3	3	63.5±1.2	12.7±0.5	52.0±1.0	28.5±0.7	1.6±0.4	60	150
FI 76.2x28.5x12.7 M1	1	76.2±1.5	12.7±0.5	65.2±1.2	28.5±0.7	1.6±0.4	60	190
FI 76.2x28.5x12.7 N3	3	76.2±1.5	12.7±0.5	65.2±1.2	28.5±0.7	1.6±0.4	60	190

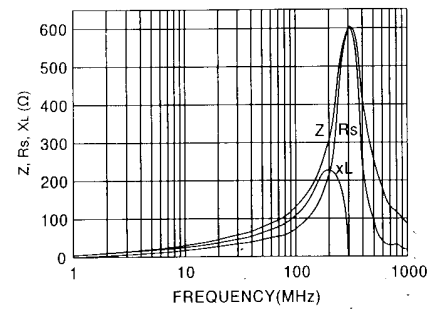
**FI 38x25.4x12.7**



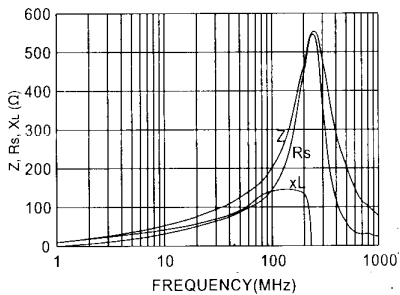
**FI 45x15x12.7**



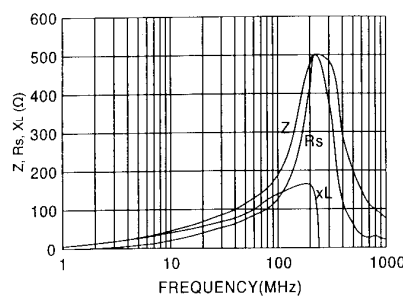
**FI 55.1x15x12.7**



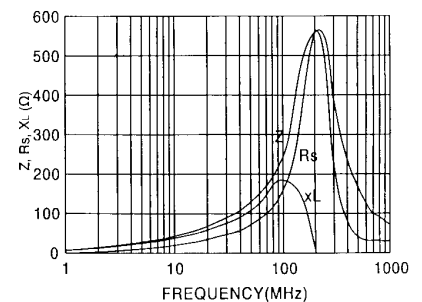
**FI 55.1x15x12.7**



**FI 63.5x28.5x12.7**



**FI 76.2x28.5x12.7**



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# EMI BEADS (DIP) / RHWT TYPE

## FEATURES

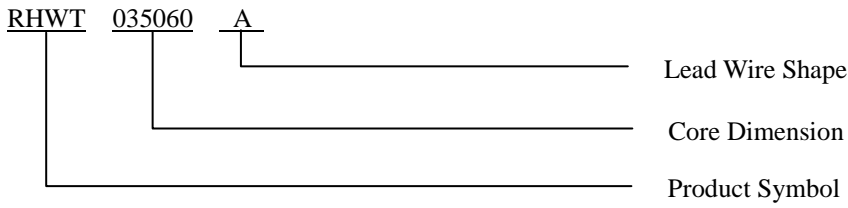
- ◆ Employ high performance ferrites with superior frequency characteristics.

## APPLICATIONS

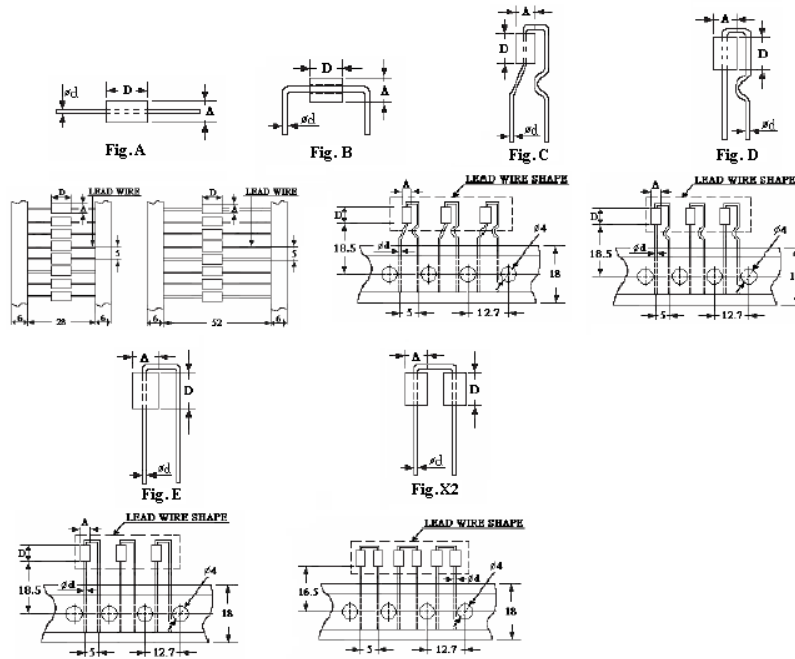
- ◆ Prevent spike noise
- ◆ Prevent intrusion and radiation of unnecessary signals into the clock pulse oscillation section and various interfaces, except those for RGB and composite signals.



## ORDERING CODE



## LEAD WIRE SHAPE & TAPING SHAPE (UNIT: mm)



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## EMI BEADS (DIP) / RHWT TYPE

**DIMENSIONS (UNIT: mm)**

PartNo.	Shape No.	A	D	Φd (±0.05)	Impedance (Ω) Min		
					25MHz	100MHz	
<b>RHWT 025030</b>	A	2.5 ±0.15	3.0 ±0.30	0.65	12	30	
<b>RHWT 025045</b>		2.5 ±0.15	4.5 ±0.30	0.65	15	40	
<b>RHWT 035050</b>		C	3.5 ±0.20	5.0 ±0.30	0.65	25	50
<b>RHWT 035060</b>			3.5 ±0.20	6.0 ±0.30	0.65	30	60
<b>RHWT 035080</b>		E	3.5 ±0.20	8.0 ±0.30	0.65	35	85
<b>RHWT 035090</b>			3.5 ±0.20	9.0 ±0.40	0.65	40	90
<b>RHWT 035045</b>	B	3.5 ±0.20	4.5 ±0.20	0.65	25	50	
<b>RHWT 035060</b>		3.5 ±0.20	6.0 ±0.30	0.65	30	60	
<b>RHWT 035090</b>		3.5 ±0.20	9.0 ±0.40	0.65	40	90	
<b>RHWT 035045</b>	X2	3.5 ±0.20	4.5 ±0.30	0.65	45	80	
<b>RHWT 035060</b>		3.5 ±0.20	6.0 ±0.30	0.65	50	100	



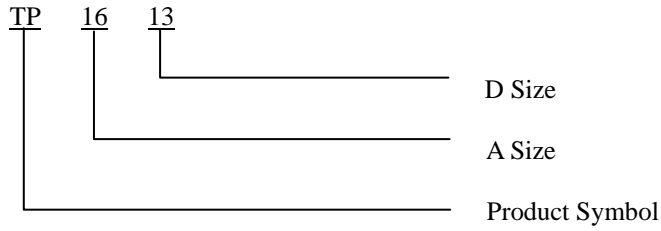
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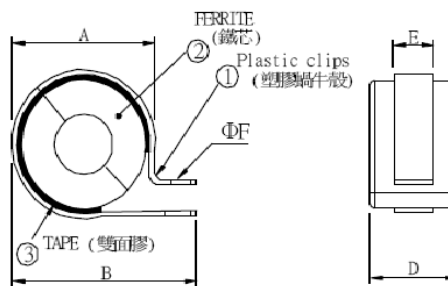
# EMI SUPPRESSION CORES WITH PLASTIC CASE / TP TYPE

## ORDERING CODE

EMI suppression generated from round cable used in digital equipment



## SHAPES



## DIMENSIONS & CHARACTERISTICS

Part No.	$\Phi A$	B	$\Phi D$	$\Phi F$	Impedance			
					1 Turn		2 Turns	
					25MHz	100MHz	25MHz	100MHz
<b>TP 16-13</b>	19.4	30.2	13.0	4.3	45	110	160	370
<b>TP 16-16</b>	19.4	30.2	16.0	4.3	50	150	180	500
<b>TP 20-10</b>	25.7	38.2	10.0	5.1	45	80	140	280
<b>TP 23-14</b>	26.8	39.4	14.0	5.1	40	100	140	350
<b>TP 28-13</b>	32.8	45.0	13.0	5.1	45	105	160	325
<b>TP 28-20</b>	32.8	45.0	20.0	5.1	60	130	250	500
<b>TP 40-15</b>	44.6	59.0	15.0	5.1	40	100	140	350



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# FLAT CABLE EMI CORES / FP TYPE

## APPLICATIONS

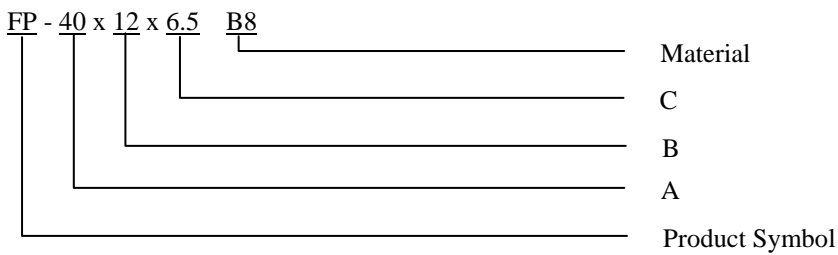
- ◆ Internal floppy disk and harddisk ribbon cables
- ◆ Internal ribbon cables between circuit boards and data connectors
- ◆ Internal ribbon cables with series digital signal busses



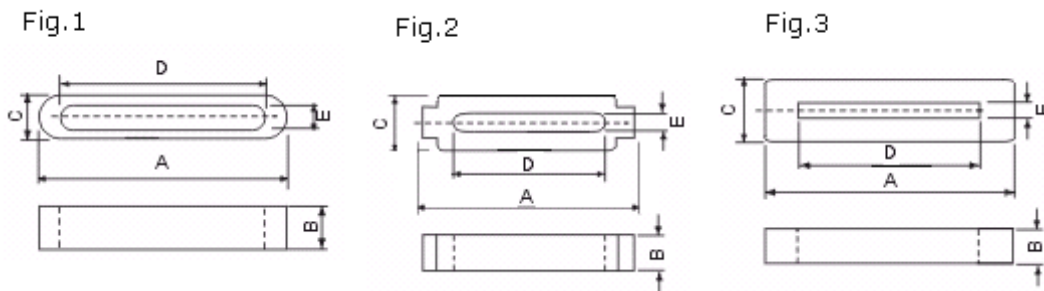
## MATERIAL

B8 B10 B15

## ORDERING CODE



## SHAPES



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## FLAT CABLE EMI CORES / FP TYPE

**DIMENSIONS (UNIT: mm)**

Part No.	Fig.	Dimension				
		A	B	C	D	E
FP-10X8X3.2	3	10.0 ± 0.3	8.0 ± 0.4	3.2 ± 0.2	8.0 ± 0.3	1.0 ± 0.2
FP-12X19X9	1	12.0 ± 0.3	19.0 ± 0.5	9.0 ± 0.3	7.5 ± 0.3	4.5 ± 0.3
FP-13.5X6X2	1	13.5 ± 0.3	6.0 ± 0.3	2.0 ± 0.3	11.0 ± 0.3	0.5+0.4-0
FP-16X8X5	1	16.0+0.2-0.5	8.0 ± 0.3	5.0+0-0.6	11.5+0.5-0.1	0.5+0.5-0
FP-18X8X5	1	18.0 ± 1.0	8.0 ± 0.5	5.0 ± 0.3	14.0 ± 0.5	1.0 ± 0.5
FP-19X6X6.5	1	19.0 ± 0.8	6.0 ± 0.5	6.5 ± 0.3	13.5 ± 0.6	1.5 ± 0.3
FP-19X12X6.5	1	19.0 ± 0.8	12.0 ± 0.5	6.5 ± 0.3	13.5 ± 0.6	1.5 ± 0.3
FP-23.8X12.5X6.3	1	23.8 ± 0.7	12.5 ± 0.5	6.3 ± 0.5	18.4 ± 0.5	1.1 ± 0.3
FP-23.8X12.5X6.5	1	23.8 ± 1.0	12.5 ± 0.6	6.5 ± 0.5	18.5 ± 0.7	1.5 ± 0.5
FP-25X12X5	1	25.0 ± 0.8	12.0 ± 0.5	5.0 ± 0.4	21.0 ± 0.7	1.2 ± 0.3
FP-28X10X7.7	2	28.0 ± 0.8	10.0 ± 0.4	7.7 ± 0.4	23.0 ± 0.5	1.4 ± 0.2
FP-28X14.6X7.7	2	28.0 ± 0.8	14.6 ± 0.4	7.7 ± 0.3	23.0 ± 0.5	1.4 ± 0.3
FP-29X10X8	1	29.0 ± 0.8	10.0 ± 0.5	8.0 ± 0.5	22.0 ± 0.8	2.5 ± 0.4
FP-31X12X3	3	31.0 ± 0.5	12.0 ± 0.3	3.0 ± 0.3	27.0 ± 0.5	0.5+0.7-0
FP-33.5X12X6.5	1	33.5 ± 1.0	12.0 ± 0.5	6.5 ± 0.5	27.5 ± 1.0	1.5 ± 0.5
FP-38.5X8X4	3	38.5 ± 1.0	8.0 ± 0.4	4.0 ± 0.5	34.0 ± 0.8	0.8 ± 0.4
FP-40X12X6.5	1	40.0 ± 1.2	12.0 ± 0.5	6.5 ± 0.3	33.5 ± 1.5	1.5 ± 0.3
FP-41X15X7.7	1	41.0 ± 1.2	15.0 ± 0.4	7.7 ± 0.4	34.5 ± 1.2	1.8 ± 0.4
FP-49.6X12X6.5	1	49.6 ± 1.5	12.0 ± 0.4	6.5 ± 0.5	43.0 ± 1.0	1.5 ± 0.5
FP-57.9X12X7	1	57.9 ± 0.7	12.0 ± 0.3	7.0 ± 0.3	52.0 +1.0-0.2	1.3 + 0.6-0



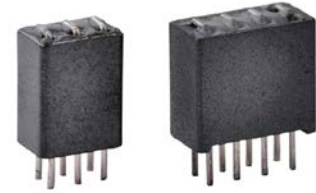
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# MULTILINE BEADS MOUNT FILTERS / S6H、S8H TYPE

## FEATURES

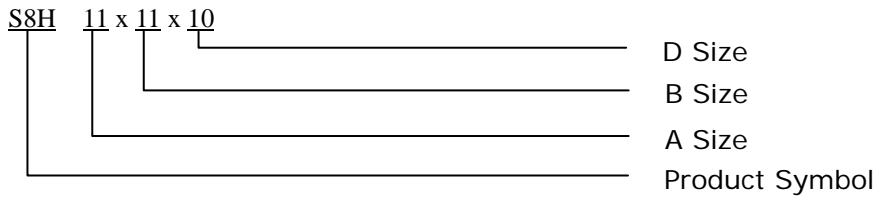
Multiple single printed circuit beads or multi-turn printed circuit beads are available in various materials. Cores are supplied with tinned copper jumper wires, which complete the desired winding configuration on the printed circuit board.



## APPLICATIONS

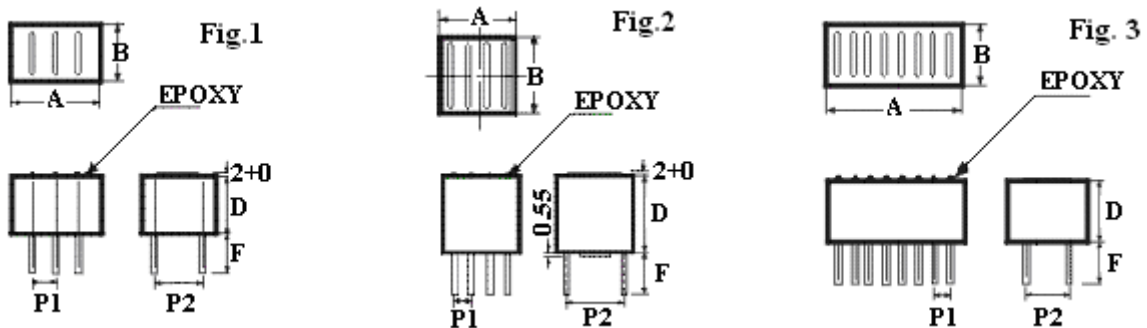
Filtering DC power to external peripherals. Filtering low frequency in put/out put signals of shielded enclosures. Data Bus filters. Application where low DCR is needed.

## ORDERING CODE



## DIMENSIONS & CHARACTERISTICS (UNIT: mm)

Part No.	Fig.	UNIT:mm						Impedance (Ω) Min	
		A	B	D	F	P1	P2	25MHz	100MHz
S6H 7.6x5x10	1	7.60±0.25	5.00±0.25	10.00±0.30	5.30±0.3	2.54±0.2	2.54±0.2	150	226
S8H 11x11x10	2	10.80±0.30	10.8±0.3	10.15±0.25	3.2+0.4/-0	2.54±0.2	7.62±0.2	190	300
S8H 11x5.5x10	2	10.88±0.30	5.49±0.25	10.00±0.30	3.19±0.3	2.54±0.2	2.54±0.2	160	200
S16H 20x5x3	3	20.00±0.30	5.00±0.30	3.00±0.20	2.54±0.2	2.54±0.2	3.00±1.0	40	64
S16H 20x5x4	3	20.00±0.30	5.00±0.30	4.00±0.20	2.54±0.2	2.54±0.2	4.00±1.0	45	80



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## NI-ZN EMI BEAD CORES / RH TYPE

### FEATURES

- ◆ Easy installation
- ◆ Compact and high performance



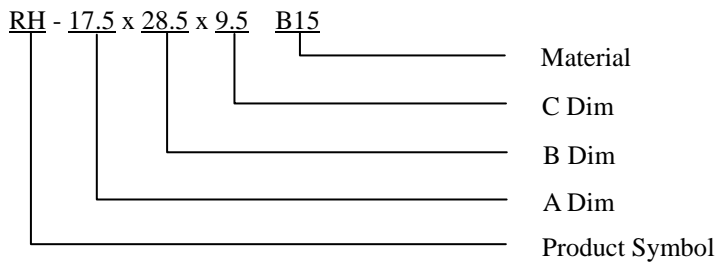
### APPLICATIONS

- ◆ Countermeasures against radiated emissions
- ◆ For full compliance with FCC regulations and VCCI
- ◆ Improvement of noise immunity of personal computers, microcomputers, peripheral and relative devices

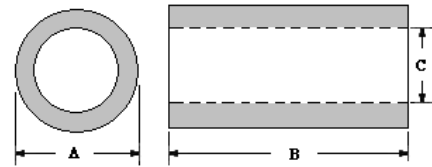
### MATERIAL

B8    B10    B15    B18

### ORDERING CODE



### SHAPES



### DIMENSIONS (Unit: mm)

Cores	A	B	C
RH-2.3 x 4.5 x 0.8	2.30 ± 0.15	4.50 ± 0.30	0.80 ± 0.15
RH-3 x 3 x 0.8	3.00 ± 0.15	3.00 ± 0.20	0.80 ± 0.15
RH-3 x 4 x 1	3.00 ± 0.15	4.00 ± 0.30	1.00 ± 0.15
RH-3.5 x 8.9 x 0.8	3.50 ± 0.15	8.90 ± 0.30	0.80 ± 0.15
RH-3.5 x 12 x 1.2	3.50 ± 0.15	12.00 ± 0.40	1.20 ± 0.15
RH-3.5 x 10 x 1.5	3.50 ± 0.15	10.00 ± 0.40	1.50 ± 0.15
RH-3.5 x 13.8 x 0.8	3.50 ± 0.15	13.80 ± 0.40	0.80 ± 0.15
RH-3.8 x 8 x 1.8	3.80 ± 0.15	8.00 ± 0.40	1.80 ± 0.15
RH-4 x 5 x 2	4.00 ± 0.20	5.00 ± 0.30	2.00 ± 0.15
RH-4 x 20 x 2	4.00 ± 0.20	20.00 ± 0.50	2.00 ± 0.15
RH-4.1 x 10 x 1.6	4.10 ± 0.20	10.00 ± 0.40	1.60 ± 0.15
RH-5 x 10 x 1.5	5.00 ± 0.30	10.00 ± 0.40	1.50 ± 0.15
RH-6 x 25 x 2	6.00 ± 0.30	25.00 ± 0.70	2.00 ± 0.20
RH-6 x 10 x 3	6.00 ± 0.30	10.00 ± 0.40	3.00 ± 0.20
RH-6.5 x 10 x 4.3	6.50 ± 0.30	10.00 ± 0.40	4.30 ± 0.20
RH-7 x 20 x 4	7.00 ± 0.30	20.00 ± 0.50	4.00 ± 0.25
RH-7.5 x 19 x 2.8	7.50 ± 0.30	19.00 ± 0.50	2.80 ± 0.20
RH-7.75 x 19 x 4	7.75 ± 0.30	19.00 ± 0.50	4.00 ± 0.25
RH-8 x 18 x 3	8.00 ± 0.30	18.00 ± 0.50	3.00 ± 0.20
RH-8 x 9.2 x 4	8.00 ± 0.30	9.20 ± 0.30	4.00 ± 0.25
RH-8 x 20 x 5.6	8.00 ± 0.30	20.00 ± 0.60	5.60 ± 0.25
RH-9 x 16 x 5	9.00 ± 0.30	16.00 ± 0.50	5.00 ± 0.25
RH-9.5 x 18.2 x 2.8	9.50 ± 0.30	18.20 ± 0.50	2.80 ± 0.20
RH-9.5 x 10 x 5	9.50 ± 0.30	10.00 ± 0.40	5.00 ± 0.25
RH-9.8 x 20.95 x 3.8	9.80 ± 0.30	20.95 ± 0.60	3.80 ± 0.20



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## NI-ZN EMI BEAD CORES / RH TYPE

**DIMENSIONS (Unit: mm)**

Cores	A	B	C
RH-9.8 x 14 x 5.6	9.80 ± 0.30	14.00 ± 0.50	5.60 ± 0.25
RH-9.8 x 25 x 7	9.80 ± 0.30	25.00 ± 0.70	7.00 ± 0.30
RH-10 x 10 x 5	10.00 ± 0.40	10.00 ± 0.40	5.00 ± 0.25
RH-10.5 x 20 x 5.6	10.50 ± 0.40	20.00 ± 0.60	5.60 ± 0.25
RH-10.5 x 20 x 6	10.50 ± 0.40	20.00 ± 0.60	6.00 ± 0.30
RH-11.5 x 18 x 5.2	11.50 ± 0.40	18.00 ± 0.50	5.20 ± 0.25
RH-11.5 x 25 x 7.1	11.50 ± 0.40	25.00 ± 0.70	7.10 ± 0.30
RH-12 x 25 x 4	12.00 ± 0.40	25.00 ± 0.70	4.00 ± 0.25
RH-12 x 25.6 x 5.2	12.00 ± 0.40	25.60 ± 0.70	5.20 ± 0.25
RH-12 x 20 x 6.35	12.00 ± 0.40	20.00 ± 0.60	6.35 ± 0.30
RH-12 x 25 x 7.1	12.00 ± 0.40	25.00 ± 0.70	7.10 ± 0.30
RH-12 x 28 x 7.3	12.00 ± 0.40	28.00 ± 0.70	7.30 ± 0.30
RH-12.5 x 20 x 4.9	12.50 ± 0.40	20.00 ± 0.60	4.90 ± 0.30
RH-12.7 x 15 x 7.88	12.70 ± 0.40	15.00 ± 0.50	7.88 ± 0.30
RH-13 x 15.2 x 5.5	13.00 ± 0.40	15.20 ± 0.50	5.50 ± 0.25
RH-13 x 26 x 5.6	13.00 ± 0.40	26.00 ± 0.70	5.60 ± 0.30
RH-13 x 25.4 x 9.4	13.00 ± 0.40	25.40 ± 0.70	9.40 ± 0.30
RH-14 x 28.5 x 5.2	14.00 ± 0.50	28.50 ± 0.70	5.20 ± 0.25
RH-14.27 x 23.5 x 6.35	14.27 ± 0.50	23.50 ± 0.60	6.35 ± 0.30
RH-14.27x 28.5 x 6.35	14.27 ± 0.50	28.50 ± 0.70	6.35 ± 0.30
RH-14.27 x 15 x 7	14.27 ± 0.50	15.00 ± 0.50	7.00 ± 0.30
RH-14.27 x 28 x 7	14.27 ± 0.50	28.00 ± 0.70	7.00 ± 0.30
RH-14.27 x 23.5 x 7.88	14.27 ± 0.50	23.50 ± 0.60	7.88 ± 0.30
RH-14.27 x 23.5 x 8.3	14.27 ± 0.50	23.50 ± 0.60	8.30 ± 0.30
RH-14.27 x 28.5 x 9.15	14.27 ± 0.50	28.50 ± 0.70	9.15 ± 0.30
RH-15 x 28.5 x 7.3	15.00 ± 0.50	28.50 ± 0.70	7.30 ± 0.30
RH-15.25 x 28.5 x 8	15.25 ± 0.50	28.50 ± 0.70	8.00 ± 0.30
RH-15.8 x 28.5 x 7.88	15.80 ± 0.50	28.50 ± 0.70	7.88 ± 0.30
RH-16 x 17 x 4.5	16.00 ± 0.50	17.00 ± 0.50	4.50 ± 0.25
RH-16 x 16 x 7.88	16.00 ± 0.50	16.00 ± 0.50	7.88 ± 0.30
RH-16 x 17 x 9.15	16.00 ± 0.50	17.00 ± 0.50	9.15 ± 0.30
RH-16 x 30 x 9.15	16.00 ± 0.50	30.00 ± 1.00	9.15 ± 0.30
RH-16 x 28.5 x 9.5	16.00 ± 0.50	28.50 ± 1.00	9.50 ± 0.30
RH-16 x 28 x 11	16.00 ± 0.50	28.00 ± 0.70	11.00 ± 0.40
RH-17 x 25 x 4	17.00 ± 0.50	25.00 ± 0.70	4.00 ± 0.30
RH-17.2 x 25 x 7	17.20 ± 0.50	25.00 ± 0.70	7.00 ± 0.30
RH-17.5 x 27 x 8	17.50 ± 0.50	27.00 ± 0.70	8.00 ± 0.30
RH-17.5 x 28.5 x 8	17.50 ± 0.50	28.50 ± 0.70	8.00 ± 0.30
RH-17.5 x 28.5 x 9.5	17.50 ± 0.50	28.50 ± 0.70	9.50 ± 0.30
RH-17.5 x 35 x 9.5	17.50 ± 0.50	35.00 ± 1.00	9.50 ± 0.30
RH-17.5 x 28.5 x 10.6	17.50 ± 0.50	28.50 ± 0.70	10.60 ± 0.40
RH-17.5 x 28.5 x 11	17.50 ± 0.50	28.50 ± 0.70	11.00 ± 0.40
RH-18.2 x 28.5 x 9.5	18.20 ± 0.50	28.50 ± 0.70	9.50 ± 0.30
RH-18.4 x 28.5 x 10.2	18.40 ± 0.50	28.50 ± 0.70	10.20 ± 0.40
RH-18.4 x 50.8 x 11	18.40 ± 0.50	50.80 ± 1.00	11.00 ± 0.40
RH-18.4 x 28.5 x 12.5	18.40 ± 0.50	28.50 ± 0.70	12.50 ± 0.40
RH-19.7 x 28.5 x 11.7	19.70 ± 0.50	28.50 ± 0.70	11.70 ± 0.40
RH-25.9 x 28 x 10.2	25.90 ± 0.60	28.00 ± 0.70	10.20 ± 0.40
RH-26 x 28.5 x 12.8	26.00 ± 0.60	28.50 ± 0.70	12.80 ± 0.50
RH-26 x 28.5 x 16	26.00 ± 0.60	28.50 ± 0.70	16.00 ± 0.50
RH-28 x 28.5 x 16	28.00 ± 0.70	28.50 ± 0.70	16.00 ± 0.50



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## NI-ZN EMI BEAD CORES / RH TYPE



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# NI-ZN TOROID CORES / T TYPE

## FEATURES

- ◆ Minimal effect on transmission waveforms
- ◆ Can be added as First-Aid, On-The Spot countermeasures when equipment or devices fail

## APPLICATIONS

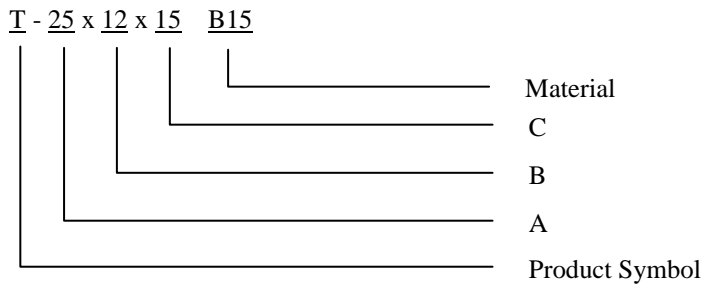
- ◆ Equipment using sensors
- ◆ TVs, FM/AM Tuners, VTRs/VCRs
- ◆ Harness noise countermeasures for automobiles Computers, NC machines, and Plain paper copiers
- ◆ Measuring equipment, OA equipment, terminal equipment and ISDN terminal equipment



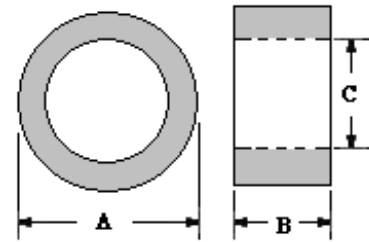
## MATERIAL

B8 B10 B12 B15

## ORDERING CODE



## SHAPES



## DIMENSIONS (Unit: mm)

Cores	A	B	C
T-2.5 x 1.2 x 1	2.50 ± 0.15	1.20 ± 0.20	1.00 ± 0.15
T-3.3 x 2 x 2.58	3.30 ± 0.15	2.00 ± 0.25	2.58 ± 0.15
T-3.5 x 2 x 0.85	3.50 ± 0.15	2.00 ± 0.20	0.85 ± 0.15
T-3.5 x 3.1 x 1.2	3.50 ± 0.15	3.10 ± 0.30	1.20 ± 0.15
T-4 x 1 x 2	4.00 ± 0.20	1.00 ± 0.20	2.00 ± 0.20
T-4.5 x 2 x 1.5	4.50 ± 0.20	2.00 ± 0.20	1.50 ± 0.15
T-4.8 x 3 x 2.8	4.80 ± 0.20	3.00 ± 0.30	2.80 ± 0.20
T-6 x 4 x 3	6.00 ± 0.30	4.00 ± 0.30	3.00 ± 0.20
T-6 x 5 x 2	6.00 ± 0.30	5.00 ± 0.30	2.00 ± 0.20
T-6.5 x 5 x 3.3	6.50 ± 0.30	5.00 ± 0.30	3.30 ± 0.20
T-7.75 x 3 x 4	7.75 ± 0.30	3.00 ± 0.30	4.00 ± 0.20
T-8 x 3 x 4	8.00 ± 0.30	3.00 ± 0.30	4.00 ± 0.20
T-8 x 7 x 5.6	8.00 ± 0.30	7.00 ± 0.30	5.60 ± 0.20
T-9 x 3 x 5	9.00 ± 0.30	3.00 ± 0.30	5.00 ± 0.30
T-9.5 x 3.5 x 4.8	9.50 ± 0.30	3.50 ± 0.30	4.80 ± 0.20
T-9.66 x 3.7 x 4.9	9.66 ± 0.30	3.70 ± 0.30	4.90 ± 0.30
T-9.66 x 7.35 x 6.35	9.66 ± 0.30	7.35 ± 0.30	6.35 ± 0.30
T-9.8 x 7.35 x 6.35	9.80 ± 0.30	7.35 ± 0.30	6.35 ± 0.30



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## NI-ZN TOROID CORES / T TYPE

Cores	A	B	C
T-10 x 6 x 4	10.00 ± 0.30	6.00 ± 0.30	4.00 ± 0.20
T-10 x 4 x 6	10.00 ± 0.30	4.00 ± 0.30	6.00 ± 0.30
T-10 x 10 x 5	10.00 ± 0.30	10.0 ± 0.40	5.00 ± 0.30
T-10.3 x 10.2 x 5.8	10.30 ± 0.30	10.2 ± 0.40	5.80 ± 0.30
T-12 x 6 x 4	12.00 ± 0.40	6.00 ± 0.30	4.00 ± 0.20
T-12 x 4 x 6	12.00 ± 0.40	4.00 ± 0.30	6.00 ± 0.30
T-12 x 10 x 6.5	12.00 ± 0.40	10.0 ± 0.40	6.50 ± 0.30
T-12 x 11 x 8.6	12.00 ± 0.40	11.0 ± 0.40	8.60 ± 0.30
T-12.7 x 6.35 x 7.9	12.70 ± 0.40	6.35 ± 0.40	7.90 ± 0.30
T-12.7 x 12.5 x 7.88	12.70 ± 0.40	12.5 ± 0.40	7.88 ± 0.30
T-13 x 8 x 8.2	13.00 ± 0.40	8.00 ± 0.30	8.20 ± 0.30
T-13.5 x 5 x 7	13.50 ± 0.40	5.00 ± 0.30	7.00 ± 0.30
T-14.2 x 5 x 6.35	14.20 ± 0.50	5.00 ± 0.30	6.35 ± 0.30
T-14.2 x 5 x 9.15	14.20 ± 0.50	5.00 ± 0.30	9.15 ± 0.30
T-14.2 x 10 x 7.45	14.20 ± 0.50	10.0 ± 0.40	7.45 ± 0.30
T-14.2 x 5 x 8.3	14.27 ± 0.50	5.00 ± 0.30	8.30 ± 0.30
T-14.2 x 13.5 x 6.35	14.27 ± 0.50	13.5 ± 0.40	6.35 ± 0.30
T-15.2 x 12.7 x 10.2	15.20 ± 0.50	12.7 ± 0.40	10.2 ± 0.30
T-16 x 12 x 8	16.00 ± 0.50	12.0 ± 0.40	8.00 ± 0.30
T-16 x 12 x 9.15	16.00 ± 0.50	12.0 ± 0.40	9.15 ± 0.30
T-16 x 10 x 8	16.00 ± 0.50	10.0 ± 0.40	8.00 ± 0.30
T-16 x 16 x 7.88	16.00 ± 0.50	16.0 ± 0.50	7.88 ± 0.30
T-17.5 x 6.8 x 10.6	17.50 ± 0.50	6.80 ± 0.30	10.6 ± 0.30
T-17.5 x 12.7 x 10.2	17.50 ± 0.50	12.7 ± 0.40	10.2 ± 0.30
T-18.4 x 9.5 x 12.5	18.40 ± 0.50	9.50 ± 0.30	12.5 ± 0.40
T-20 x 4 x 5.2	20.00 ± 0.50	4.00 ± 0.30	5.20 ± 0.30
T-20 x 10 x 10.2	20.00 ± 0.50	10.0 ± 0.40	10.2 ± 0.30
T-20 x 14.2 x 5.2	20.00 ± 0.50	14.2 ± 0.40	5.20 ± 0.30
T-21.2 x 6 x 12.7	21.20 ± 0.50	6.00 ± 0.30	12.7 ± 0.40
T-22.5 x 6 x 13.8	22.50 ± 0.50	6.00 ± 0.30	13.8 ± 0.50
T-23 x 6.4 x 12.5	23.00 ± 0.50	6.40 ± 0.30	12.5 ± 0.40
T-23 x 9.5 x 12.5	23.00 ± 0.50	9.50 ± 0.30	12.5 ± 0.40
T-23 x 14 x 11	23.00 ± 0.50	14.0 ± 0.30	11.0 ± 0.40
T-24 x 14 x 11	24.00 ± 0.60	14.0 ± 0.40	11.0 ± 0.40
T-25 x 10 x 15	25.00 ± 0.60	10.0 ± 0.40	15.0 ± 0.50
T-25.9 x 14.09 x 17	25.90 ± 0.60	14.09 ± 0.40	17.0 ± 0.50
T-25.9 x 12.7 x 16	25.90 ± 0.60	12.7 ± 0.40	16.0 ± 0.50
T-28 x 3.75 x 5.2	28.00 ± 0.70	3.75 ± 0.30	5.20 ± 0.30
T-28 x 13.4 x 16	28.00 ± 0.70	13.40 ± 0.40	16.0 ± 0.50
T-28 x 19 x 16	28.00 ± 0.70	19.0 ± 0.50	16.0 ± 0.50
T-29 x 14 x 19	29.00 ± 0.70	14.0 ± 0.30	19.0 ± 0.50
T-31 x 7 x 19	31.00 ± 0.70	7.00 ± 0.30	19.0 ± 0.50
T-31 x 16 x 19	31.00 ± 0.70	16.0 ± 0.50	19.0 ± 0.50
T-36 x 12 x 23	36.00 ± 0.80	12.0 ± 0.40	23.0 ± 0.60
T-36 x 22 x 19	36.00 ± 0.80	22.0 ± 0.60	19.0 ± 0.50
T-37.5 x 5.5 x 9.1	37.50 ± 0.80	5.50 ± 0.30	9.10 ± 0.30
T-40 x 15 x 23.4	40.00 ± 0.80	15.0 ± 0.50	23.4 ± 0.60
T-47.5 x 15 x 29.5	47.50 ± 1.00	15.0 ± 0.50	29.5 ± 0.80



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## ROUND CABLE EMI CORES / LF TYPE

### FEATURES

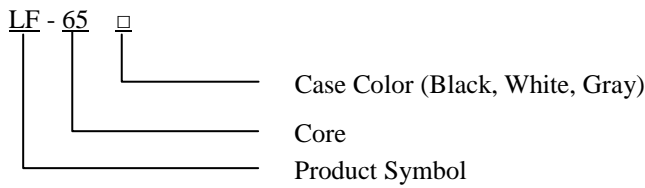
- ◆ Easy installation
- ◆ Internal dimensions are from 4mm to 19 mm diameter.
- ◆ The smooth surface prevents damage to wire insulation.



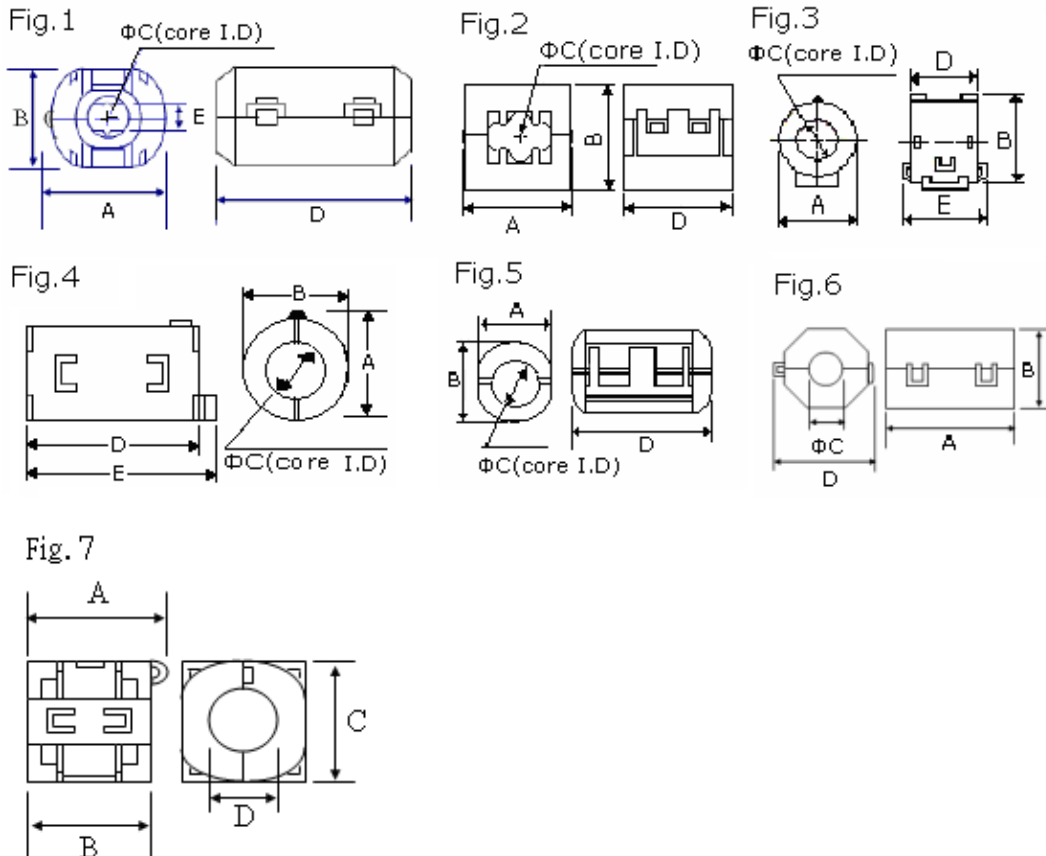
### APPLICATIONS

- ◆ Internal and external power cables
- ◆ Internal cables between pc boards and data connectors
- ◆ Computer peripherals, for example digital camera, DVD, fax machine, monitor, printer, and power supply cables

### ORDERING CODE



### SHAPES



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## ROUND CABLE EMI CORES / LF TYPE

**DIMENSIONS (UNIT:mm)**

Part No.	Fig.	A (±1)	B (±1)	C (±1)	D (±1)	E (±1)	Impedance (Ω) Min		Use Cable Dia. Max
							25 MHz	100 MHz	
<b>LF-35</b>	5	15.0	15.0	4.0	25.2	---	55	95	Φ4
<b>LF-50</b>	5	16.5	16.5	5.2	29.5	---	70	120	Φ5
<b>LF-501</b>	2	15.0	14.0	5.2	23.0	---	70	120	Φ5
<b>LF-502</b>	1	13.0	11.8	5.0	25.5	---	60	100	Φ5
<b>LF-503</b>	1	17.0	15.0	5.2	30.0	---	130	210	Φ5
<b>LF-60</b>	6	18.5	14.0	6.0	15.5	---	60	80	Φ6
<b>LF-65</b>	2	20.5	20.0	6.5	33.0	---	120	200	Φ6.5
<b>LF-70</b>	4	15.5	14.0	7.0	18.0	22.0	40	75	Φ7
<b>LF-702</b>	1	17.0	15.0	7.0	30.0	---	70	130	Φ7
<b>LF-75</b>	5	21.0	21.0	7.5	39.0	---	90	150	Φ7.5
<b>LF-801</b>	3	19.5	23.0	8.1	17.0	23.0	42	85	Φ8
<b>LF-802</b>	3	19.5	23.0	8.1	20.0	26.0	50	110	Φ8
<b>LF-90</b>	7	21.0	17.0	20.0	9.0	---	45	90	Φ9
<b>LF-901</b>	4	20.5	19.5	9.0	31.5	35.5	80	130	Φ9
<b>LF-902</b>	1	19.5	18.0	9.0	35.0	---	80	130	Φ9
<b>CT-0933</b>	1	22.5	22.5	9.5	43.0	---	105	190	Φ9.5
<b>CT-0933-2B</b>	1	22.0	23.5	12.2	43.0	---	100	180	Φ12
<b>LF-100</b>	2	25.5± 1.0	23.5± 1.0	10.0± 0.5	33.0± 1.0	---	80	130	Φ10
<b>LF-101</b>	3	24.5± 1.0	28.5± 1.0	10.2± 0.5	13.5± 1.0	20.0± 1.0	35	75	Φ10
<b>LF-102</b>	1	21.5± 1.0	20.0± 1.0	10.0± 1.0	35.0± 1.0	---	144	240	Φ10
<b>LF-103</b>	4	20.5± 1.0	20.5± 1.0	10.0± 0.5	32.0± 1.0	36.0± 1.0	100	160	Φ10
<b>LF-110</b>	4	20.5± 1.0	21.0± 1.0	11.0± 0.5	32.0± 1.0	36.0± 1.0	60	110	Φ11
<b>LF-1101</b>	1	21.0± 1.0	20.0± 1.0	11.0± 0.5	36.0± 1.0	---	80	170	Φ11
<b>LF-120</b>	3	28.0± 1.0	32.0± 1.0	11.5± 0.5	18.0± 1.0	24.0± 1.0	50	100	Φ11.5
<b>LF-130</b>	2	32.5± 1.0	30.0± 1.0	13.0± 0.5	33.0± 1.0	---	105	170	Φ13
<b>LF-1301</b>	1	23.5± 1.0	22.5± 1.0	13.0± 0.5	36.0± 1.0	---	70	120	Φ13
<b>LF-1302</b>	4	31.5± 1.0	30.5± 1.0	13.0± 0.5	34.0± 1.0	39.5± 1.0	80	130	Φ13
<b>LF-150</b>	3	29.0± 1.0	33.0± 1.0	15.0± 0.5	15.5± 1.0	21.5± 1.0	30	70	Φ15
<b>LF-190</b>	2	29.5± 1.0	29.4± 1.0	19.4± 0.5	42.0± 1.0	---	90	160	Φ19

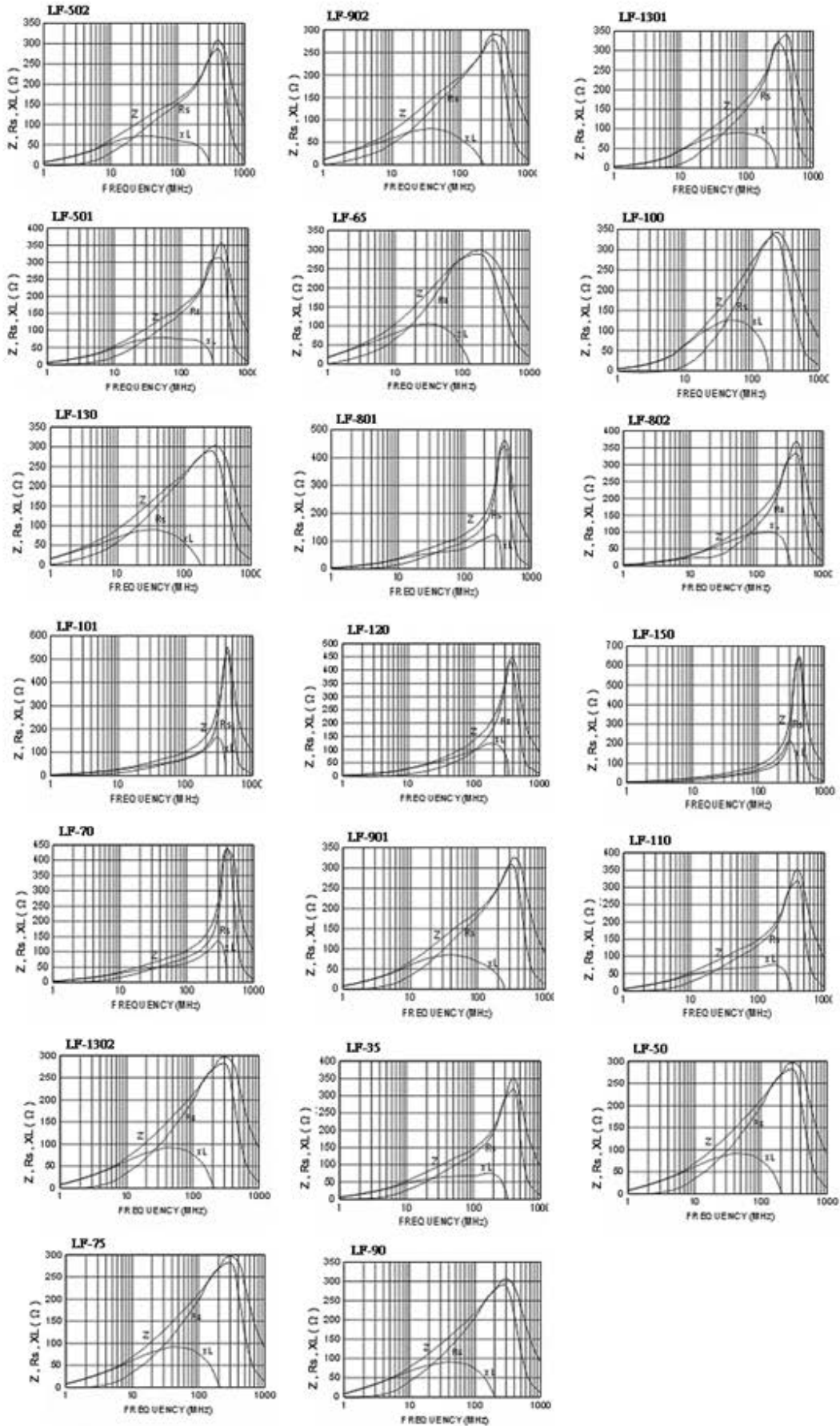


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# ROUND CABLE EMI CORES / LF TYPE



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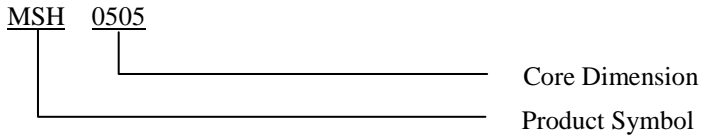
## SMD EMI BEADS / MSH TYPE

### APPLICATIONS

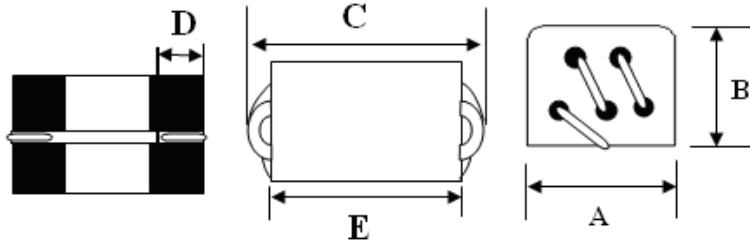
The wide band choke cores are mainly used in the PC boards to filters the EMI from the outsides.



### ORDERING CODE



### SHAPES



### DIMENSIONS & CHARACTERITICS (UNIT: mm)

Part No.	Impedance ( $\Omega$ ) (MIN)		A ( $\pm 0.3$ )	B ( $\pm 0.3$ )	C (Max)	D ( $\pm 0.5$ )	E
	25 MHz	100 MHz					
MSH0505-02	128	280	5.0	4.6	8.0	1.5	5.5 $\pm$ 0.3
MSH0510-02	300	600	5.0	4.6	11.0	2.0	8.4 $\pm$ 0.2



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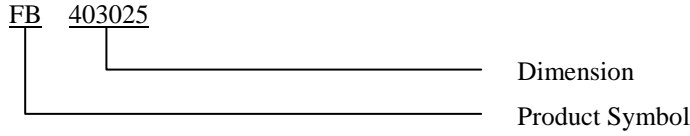
<http://www.coremaster.com.tw>

# SURFACE MOUNT BEADS / FB TYPE

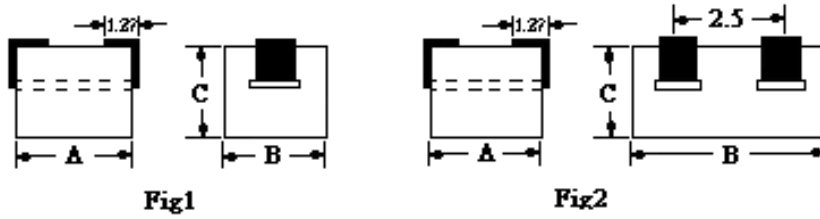
## APPLICATIONS

Computer disk drive and PC Board to filter the EMI from  
Outside source, Car radio, Mobile phone and VCRS.

## ORDERING CODE

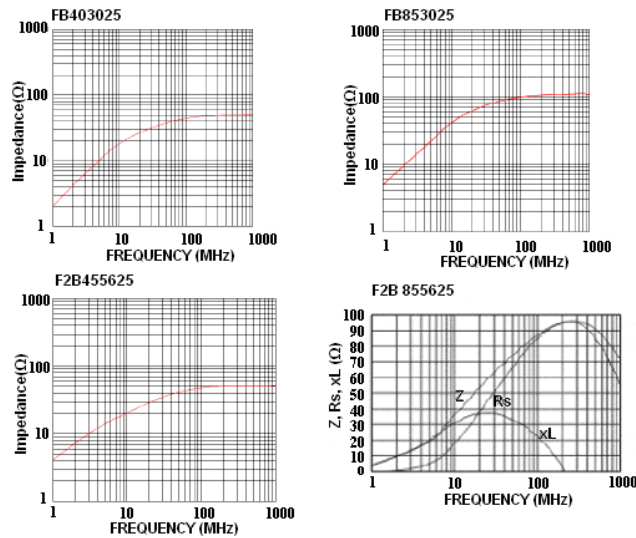


## SHAPES



## DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	B	C	Impedance (Ω) Min	
					25MHz	100MHz
FB 403025	1	4.0 ± 0.20	3.0 ± 0.20	2.5 ± 0.20	25	35
FB 853025	1	8.5 ± 0.25	3.1 ± 0.15	2.5 ± 0.15	60	90
F2B 455625	2	4.5 ± 0.25	5.6 ± 0.20	2.5 ± 0.20	20	35
F2B 855625	2	8.5 ± 0.25	5.6 ± 0.20	2.5 ± 0.20	48	70



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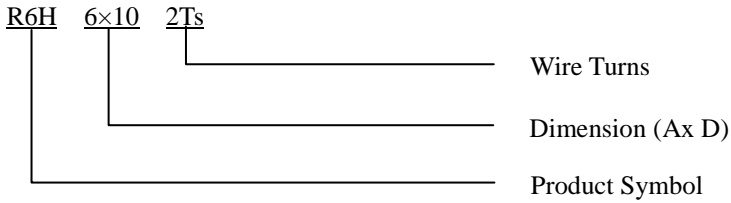
## WIDE BAND CHOKE CORES / R6H TYPE

### APPLICATIONS

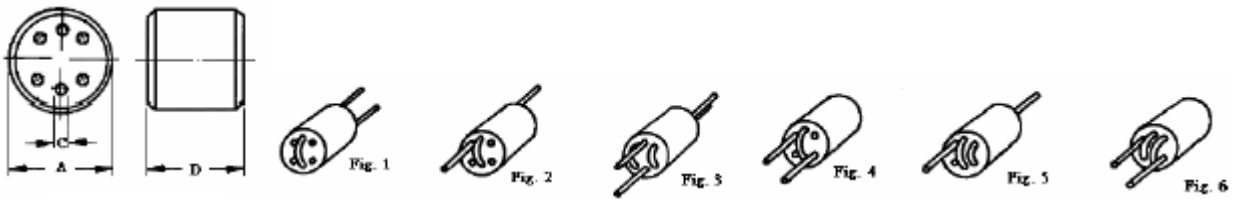
- ◆ R6H Type Cores are used for Wide Band Choke. The impedance is substantially resistive and constant.
- ◆ Used in PC boards to filter the EMI from the outsides.
- ◆ For radio and TV, small motor ignition device, computer disk driver, communication equipment, and etc.



### ORDERING CODE



### SHAPES



### DIMENSIONS & CHARACTERISTICS (UNIT: mm)

Part No.	Turns	Fig.	Impedance (Ω) (MIN)		A	C	D
			25 MHz	100 MHz			
R6H 6×10	1	1	140	320	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	1.5	2	250	480	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	2 x 1.5	3	300	480	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	2	4	300	600	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	2.5	5	350	640	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	3	6	500	780	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4



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