**EN:** This Datasheet/Document is presented by the manufacturer.

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**FERROCORE**

# NI-ZN BEAD CORES / FRH TYPE

## FEATURES

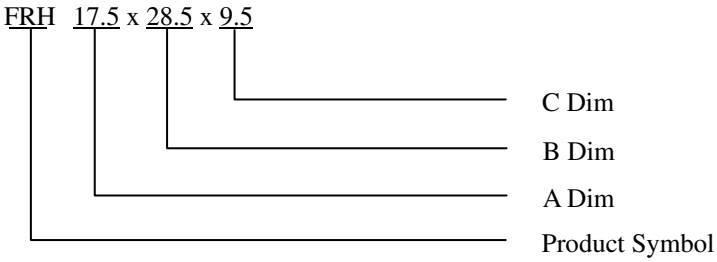


- Easy installation
- Compact and high performance

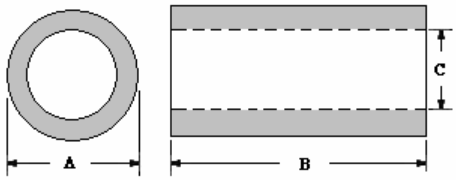
## APPLICATIONS

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

## ORDERING CODE




## SHAPES




## DIMENSIONS (Unit: mm)

| Cores | A | B | C |
|---|---|---|---|
| **FRH 2 x 10 x 1** | 2.00 ± 0.15 | 10.00 ± 0.20 | 1.00 ± 0.15 |
| **FRH 2.3 x 4.5 x 0.8** | 2.30 ± 0.15 | 4.50 ± 0.30 | 0.80 ± 0.15 |
| **FRH 3 x 4 x 1** | 3.00 ± 0.15 | 4.00 ± 0.30 | 1.00 ± 0.15 |
| **FRH 3.5 x 4 x 1.2** | 3.50 ± 0.15 | 4.00 ± 0.30 | 1.20 ± 0.15 |
| **FRH 3.5 x 8 x 1** | 3.50 ± 0.15 | 8.00 ± 0.30 | 1.00 ± 0.15 |
| **FRH 3.5 x 8.9 x 0.8** | 3.50 ± 0.15 | 8.90 ± 0.30 | 0.80 ± 0.15 |
| **FRH 3.5 x 12 x 1.2** | 3.50 ± 0.15 | 12.00 ± 0.40 | 1.20 ± 0.15 |
| **FRH 3.5 x 10 x 1.5** | 3.50 ± 0.15 | 10.00 ± 0.40 | 1.50 ± 0.15 |
| **FRH 3.5 x 13.8 x 0.8** | 3.50 ± 0.15 | 13.80 ± 0.40 | 0.80 ± 0.15 |
| **FRH 3.8 x 8 x 1.8** | 3.80 ± 0.15 | 8.00 ± 0.40 | 1.80 ± 0.15 |
| **FRH 4 x 5 x 2** | 4.00 ± 0.20 | 5.00 ± 0.30 | 2.00 ± 0.15 |
| **FRH 4 x 20 x 2** | 4.00 ± 0.20 | 20.00 ± 0.60 | 2.00 ± 0.15 |
| **FRH 4.1 x 10 x 1.6** | 4.10 ± 0.20 | 10.00 ± 0.40 | 1.60 ± 0.15 |
| **FRH 5 x 10 x 1.5** | 5.00 ± 0.30 | 10.00 ± 0.40 | 1.50 ± 0.15 |
| **FRH 5 x 11 x 1.5** | 5.00 ± 0.30 | 11.00 ± 0.40 | 1.50 ± 0.15 |
| **FRH 6 x 25 x 2** | 6.00 ± 0.30 | 25.00 ± 0.70 | 2.00 ± 0.20 |
| **FRH 6 x 10 x 3** | 6.00 ± 0.30 | 10.00 ± 0.40 | 3.00 ± 0.20 |
| **FRH 6.5 x 10 x 4.3** | 6.50 ± 0.30 | 10.00 ± 0.40 | 4.30 ± 0.20 |
| **FRH 7 x 20 x 4** | 7.00 ± 0.30 | 20.00 ± 0.60 | 4.00 ± 0.25 |
| **FRH 7.5 x 19 x 2.8** | 7.50 ± 0.30 | 19.00 ± 0.50 | 2.80 ± 0.25 |
| **FRH 7.75 x 19 x 4** | 7.75 ± 0.30 | 19.00 ± 0.50 | 4.00 ± 0.25 |
| **FRH 8 x 18 x 3** | 8.00 ± 0.30 | 18.00 ± 0.50 | 3.00 ± 0.20 |
| **FRH 8 x 9.2 x 5.3** | 8.00 ± 0.30 | 9.20 ± 0.30 | 5.30 ± 0.25 |
| **FRH 8 x 20 x 5.6** | 8.00 ± 0.30 | 20.00 ± 0.60 | 5.60 ± 0.25 |
| **FRH 9 x 5 x 5** | 9.00 ± 0.30 | 5.00 ± 0.60 | 5.00 ± 0.25 |
| **FRH 9 x 16 x 5** | 9.00 ± 0.30 | 16.00 ± 0.50 | 5.00 ± 0.25 |
| **FRH 9.5 x 18.2 x 2.8** | 9.50 ± 0.30 | 18.20 ± 0.50 | 2.80 ± 0.20 |
| **FRH 9.5 x 10 x 5** | 9.50 ± 0.30 | 10.00 ± 0.40 | 5.00 ± 0.25 |
| **FRH 9.8 x 20.95 x 3.8** | 9.80 ± 0.30 | 20.95 ± 0.60 | 3.80 ± 0.20 |
| **FRH 9.8 x 25 x 5.2** | 9.80 ± 0.30 | 25.00 ± 0.70 | 5.20 ± 0.25 |

## DIMENSIONS (Unit: mm)

**FERROCORE**

# NI-ZN BEAD CORES / FRH TYPE

| | | | |
|---|---|---|---|
| **FRH 9.8 x 25 x 5.2** | 9.80 ± 0.30 | 25.00 ± 0.70 | 5.20 ± 0.25 |
| **FRH 9.8 x 25 x 7** | 9.80 ± 0.30 | 25.00 ± 0.60 | 7.00 ± 0.30 |
| **FRH 10 x 10 x 5** | 10.00 ± 0.40 | 10.00 ± 0.40 | 5.00 ± 0.25 |
| **FRH 10.5 x 20 x 5.6** | 10.50 ± 0.40 | 20.00 ± 0.60 | 5.60 ± 0.25 |
| **FRH 10.5 x 20 x 6** | 10.50 ± 0.40 | 20.00 ± 0.60 | 6.00 ± 0.30 |
| **FRH 11.5 x 18 x 5.2** | 11.50 ± 0.40 | 18.00 ± 0.50 | 5.20 ± 0.25 |
| **FRH 11.5 x 25 x 7.1** | 11.50 ± 0.40 | 25.00 ± 0.70 | 7.10 ± 0.30 |
| **FRH 12 x 25 x 4** | 12.00 ± 0.40 | 25.00 ± 0.70 | 4.00 ± 0.25 |
| **FRH 12 x 25.6 x 5.2** | 12.00 ± 0.40 | 25.60 ± 0.70 | 5.20 ± 0.25 |
| **FRH 12 x 20 x 6.35** | 12.00 ± 0.40 | 20.00 ± 0.60 | 6.35 ± 0.30 |
| **FRH 12 x 25 x 7.1** | 12.00 ± 0.40 | 25.00 ± 0.70 | 7.10 ± 0.30 |
| **FRH 12 x 28 x 7.3** | 12.00 ± 0.40 | 28.00 ± 0.70 | 7.30 ± 0.30 |
| **FRH 12.5 x 20 x 4.9** | 12.50 ± 0.40 | 20.00 ± 0.60 | 4.90 ± 0.30 |
| **FRH 12.7 x 15 x 7.88** | 12.70 ± 0.40 | 15.00 ± 0.50 | 7.88 ± 0.30 |
| **FRH 13 x 15.2 x 5.5** | 13.00 ± 0.40 | 15.20 ± 0.50 | 5.50 ± 0.25 |
| **FRH 13 x 26 x 5.6** | 13.00 ± 0.40 | 26.00 ± 0.70 | 5.60 ± 0.25 |
| **FRH 13 x 25.4 x 9.4** | 13.00 ± 0.40 | 25.40 ± 0.70 | 9.40 ± 0.30 |
| **FRH 14 x 28.5 x 6** | 14.00 ± 0.40 | 28.50 ± 0.70 | 6.00 ± 0.30 |
| **FRH 14 x 28.5 x 7** | 14.00 ± 0.40 | 28.50 ± 0.70 | 7.00 ± 0.30 |
| **FRH 14.27 x 28.5 x 5.2** | 14.27 ± 0.50 | 28.50 ± 0.70 | 5.20 ± 0.25 |
| **FRH 14.27 x 23.5 x 6.35** | 14.27 ± 0.50 | 23.50 ± 0.60 | 6.35 ± 0.30 |
| **FRH 14.27x 28.5 x 6.35** | 14.27 ± 0.50 | 28.50 ± 0.70 | 6.35 ± 0.30 |
| **FRH 14.27 x 15 x 7** | 14.27 ± 0.50 | 15.00 ± 0.50 | 7.00 ± 0.30 |
| **FRH 14.27 x 28.5 x 7** | 14.27 ± 0.50 | 28.50 ± 0.70 | 7.00 ± 0.30 |
| **FRH 14.27 x 23.5 x 7.88** | 14.27 ± 0.50 | 23.50 ± 0.60 | 7.88 ± 0.30 |
| **FRH 14.27 x 23.5 x 8.3** | 14.27 ± 0.50 | 23.50 ± 0.60 | 8.30 ± 0.30 |
| **FRH 14.27 x 28.5 x 9.15** | 14.27 ± 0.50 | 28.50 ± 0.70 | 9.15 ± 0.30 |
| **FRH 15 x 28.5 x 7.3** | 15.00 ± 0.50 | 28.50 ± 0.70 | 7.30 ± 0.30 |
| **FRH 15 x 28.5 x 8** | 15.00 ± 0.50 | 28.50 ± 0.70 | 8.00 ± 0.30 |
| **FRH 15.25 x 28.5 x 8** | 15.25 ± 0.50 | 28.50 ± 0.70 | 8.00 ± 0.30 |
| **FRH 15.8 x 28.5 x 7.88** | 15.80 ± 0.50 | 28.50 ± 0.70 | 7.88 ± 0.30 |
| **FRH 16 x 17 x 4.5** | 16.00 ± 0.50 | 17.00 ± 0.50 | 4.50 ± 0.25 |
| **FRH 16 x 16 x 7.88** | 16.00 ± 0.50 | 16.00 ± 0.50 | 7.88 ± 0.30 |
| **FRH 16 x 17 x 9.15** | 16.00 ± 0.50 | 17.00 ± 0.50 | 9.15 ± 0.30 |
| **FRH 16 x 30 x 9.15** | 16.00 ± 0.50 | 30.00 ± 1.00 | 9.15 ± 0.30 |
| **FRH 16 x 28.5 x 9.5** | 16.00 ± 0.50 | 28.50 ± 0.70 | 9.50 ± 0.30 |
| **FRH 16 x 28 x 9** | 16.00 ± 0.50 | 28.00 ± 0.70 | 9.00 ± 0.40 |
| **FRH 16 x 28 x 11** | 16.00 ± 0.50 | 28.00 ± 0.70 | 11.00 ± 0.40 |
| **FRH 17 x 25 x 4** | 17.00 ± 0.50 | 25.00 ± 0.70 | 4.00 ± 0.30 |
| **FRH 17.2 x 25 x 7** | 17.20 ± 0.50 | 25.00 ± 0.70 | 7.00 ± 0.30 |
| **FRH 17.2 x 27 x 8** | 17.20 ± 0.50 | 27.00 ± 0.70 | 8.00 ± 0.30 |
| **FRH 17.5 x 28.5 x 8** | 17.50 ± 0.50 | 28.50 ± 0.70 | 8.00 ± 0.30 |
| **FRH 17.5 x 28.5 x 9** | 17.50 ± 0.50 | 28.50 ± 0.70 | 9.00 ± 0.30 |
| **FRH 17.5 x 28.5 x 9.5** | 17.50 ± 0.50 | 28.50 ± 0.70 | 9.50 ± 0.30 |
| **FRH 17.5 x 35 x 9.5** | 17.50 ± 0.50 | 35.00 ± 1.00 | 9.50 ± 0.30 |
| **FRH 17.5 x 28.5 x 10.6** | 17.50 ± 0.50 | 28.50 ± 0.70 | 10.60 ± 0.40 |
| **FRH 17.5 x 28.5 x 11** | 17.50 ± 0.50 | 28.50 ± 0.70 | 11.00 ± 0.40 |
| **FRH 18.2 x 28.5 x 9.5** | 18.20 ± 0.50 | 28.50 ± 0.70 | 9.50 ± 0.30 |
| **FRH 18.4 x 28.5 x 10.2** | 18.40 ± 0.50 | 28.50 ± 0.70 | 10.20 ± 0.40 |
| **FRH 18.4 x 50.8 x 11** | 18.40 ± 0.50 | 50.80 ± 1.00 | 11.00 ± 0.40 |
| **FRH 18.4 x 28.5 x 12.5** | 18.40 ± 0.50 | 28.50 ± 0.70 | 12.50 ± 0.40 |
| **FRH 19.7 x 28.5 x 11.7** | 19.70 ± 0.50 | 28.50 ± 0.70 | 11.70 ± 0.40 |
| **FRH 25.9 x 28 x 10.2** | 25.90 ± 0.60 | 28.00 ± 0.70 | 10.20 ± 0.40 |
| **FRH 26 x 28.5 x 12.8** | 26.00 ± 0.60 | 28.50 ± 0.70 | 12.80 ± 0.50 |
| **FRH 26 x 28.5 x 16** | 26.00 ± 0.60 | 28.50 ± 0.70 | 16.00 ± 0.50 |
| **FRH 28 x 28.5 x 16** | 28.00 ± 0.70 | 28.50 ± 0.70 | 16.00 ± 0.50 |

**CUSTOMER'S SPECIFICATIONS ARE WELCOME**