

Dongguan JH Amorphous Co., Ltd.

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## Nanocrystalline Rectangular Cut Core

### Electromagnetic Characteristic

Density 7.2g/cm<sup>3</sup>

Curie Temperature T<sub>c</sub> =570℃

Crystallization Temperature T<sub>x</sub> =510℃

Saturation B<sub>s</sub> = 1.2T

Electrical Resistivity P=100μΩ·cm

Saturation Magnetostriction λ<sub>s</sub>=2~3

Work Temperature <155 °C

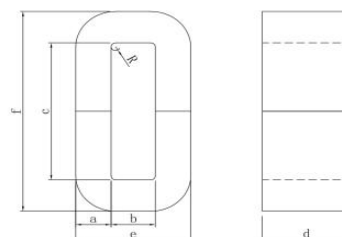
Ribbon Thickness <26 μm



a-core build      b-window width      c-window height      d-core height

e-core width      f-core length      Le-length of magnetic path

Ae-Effective cross section area      Aw-window area      Weight-Weight in Grams



| JH P/N     | Core build (mm) |     | Window width (mm) | Window length (mm) | Core height (mm) |     | Core width (mm) |   | Core length (mm) |     | R angle | Mean path length (cm) | Effective cross-section area(cm <sup>2</sup> ) | Window area(cm <sup>2</sup> ) | Weight (g) |
|------------|-----------------|-----|-------------------|--------------------|------------------|-----|-----------------|---|------------------|-----|---------|-----------------------|------------------------------------------------|-------------------------------|------------|
|            | a               | ±   | b                 | c                  | d                | ±   | e               | ± | f                | ±   | R       | Le                    | Ae                                             | Aw                            |            |
| JHNC 158   | 9               | 0.5 | 10                | 32.8               | 15               | 0.5 | 28              | 1 | 50.8             | 1.5 | 1       | 11.2                  | 1.18                                           | 3.3                           | 87         |
| JHNC 168   | 10              | 0.5 | 11                | 33                 | 20               | 0.5 | 31              | 1 | 53               | 2   | 1       | 11.8                  | 1.74                                           | 3.6                           | 135        |
| JHNC 174   | 11              | 0.8 | 13                | 30                 | 20               | 0.5 | 35              | 1 | 52               | 2   | 1       | 11.9                  | 1.92                                           | 3.9                           | 150        |
| JHNC 194   | 11              | 0.8 | 13                | 40                 | 20               | 0.5 | 35              | 1 | 62               | 2   | 2       | 13.7                  | 1.92                                           | 5.2                           | 173        |
| JHNC 194 B | 11              | 0.8 | 13                | 40                 | 25               | 0.5 | 35              | 1 | 62               | 2   | 2       | 13.7                  | 2.40                                           | 5.2                           | 216        |
| JHNC 214   | 11              | 0.8 | 13                | 50                 | 25               | 0.5 | 35              | 1 | 72               | 2   | 2       | 15.7                  | 2.40                                           | 6.5                           | 247        |
| JHNC 214 B | 11              | 0.8 | 13                | 50                 | 30               | 0.5 | 35              | 1 | 72               | 2   | 2       | 15.7                  | 2.88                                           | 6.5                           | 297        |
| JHNC 246   | 13              | 0.8 | 15                | 56                 | 25               | 0.5 | 41              | 1 | 82               | 2   | 2       | 17.9                  | 2.83                                           | 8.4                           | 334        |
| JHNC 246 B | 13              | 0.8 | 15                | 56                 | 30               | 0.5 | 41              | 1 | 82               | 2   | 2       | 17.9                  | 3.40                                           | 8.4                           | 400        |
| JHNC 246 C | 13              | 0.8 | 15                | 56                 | 35               | 1   | 41              | 1 | 82               | 2   | 2       | 17.9                  | 3.97                                           | 8.4                           | 467        |
| JHNC 254   | 16              | 1   | 20                | 43                 | 45               | 1   | 52              | 1 | 75               | 2   | 2       | 17.3                  | 6.28                                           | 8.6                           | 712        |
| JHNC 276   | 12              | 0.8 | 30                | 60                 | 20               | 0.5 | 54              | 1 | 84               | 2   | 2       | 21.4                  | 2.09                                           | 18.0                          | 294        |
| JHNC 284   | 16              | 1   | 20                | 58                 | 45               | 1   | 52              | 1 | 90               | 2   | 2       | 20.3                  | 6.28                                           | 11.6                          | 836        |
| JHNC 298   | 16              | 1   | 40                | 45                 | 20               | 0.5 | 72              | 1 | 77               | 2   | 3       | 21.5                  | 2.79                                           | 18.0                          | 397        |
| JHNC 298 B | 15              | 0.8 | 29                | 60                 | 40               | 1   | 59              | 1 | 90               | 2   | 2       | 22.2                  | 5.23                                           | 17.4                          | 761        |
| JHNC 300   | 15              | 0.8 | 30                | 60                 | 25               | 0.5 | 60              | 1 | 90               | 2   | 2       | 22.4                  | 3.27                                           | 18.0                          | 480        |
| JHNC 308   | 16              | 1   | 20                | 70                 | 25               | 0.5 | 52              | 1 | 102              | 3   | 2       | 22.7                  | 3.49                                           | 14.0                          | 519        |
| JHNC 308 B | 16              | 1   | 20                | 70                 | 30               | 0.5 | 52              | 1 | 102              | 3   | 2       | 22.7                  | 4.19                                           | 14.0                          | 623        |
| JHNC 308 C | 16              | 1   | 20                | 70                 | 40               | 1   | 52              | 1 | 102              | 3   | 2       | 22.7                  | 5.58                                           | 14.0                          | 831        |
| JHNC 308 D | 16              | 1   | 20                | 70                 | 45               | 1   | 52              | 1 | 102              | 3   | 2       | 22.7                  | 6.28                                           | 14.0                          | 935        |
| JHNC 328   | 16              | 1   | 25                | 75                 | 45               | 1   | 57              | 1 | 107              | 3   | 2       | 24.7                  | 6.28                                           | 18.8                          | 1017       |
| JHNC 360   | 20              | 1   | 40                | 60                 | 30               | 0.5 | 80              | 1 | 100              | 3   | 3       | 25.8                  | 5.23                                           | 24.0                          | 891        |
| JHNC 368   | 19              | 1   | 25                | 83                 | 35               | 1   | 63              | 1 | 121              | 3   | 2       | 27.2                  | 5.80                                           | 20.8                          | 1037       |
| JHNC 368 B | 19              | 1   | 25                | 83                 | 40               | 1   | 63              | 1 | 121              | 3   | 2       | 27.2                  | 6.63                                           | 20.8                          | 1185       |
| JHNC 368 C | 19              | 1   | 25                | 83                 | 50               | 1   | 63              | 1 | 121              | 3   | 2       | 27.2                  | 8.28                                           | 20.8                          | 1481       |
| JHNC 384   | 20              | 1   | 35                | 77                 | 20               | 0.5 | 75              | 1 | 117              | 3   | 2       | 28.3                  | 3.49                                           | 27.0                          | 649        |
| JHNC 414   | 22              | 1   | 35                | 84                 | 25               | 0.5 | 79              | 1 | 128              | 3   | 2       | 30.4                  | 4.80                                           | 29.4                          | 1956       |
| JHNC 474   | 26              | 1   | 45                | 88                 | 30               | 0.5 | 97              | 1 | 140              | 3   | 3       | 34.3                  | 6.80                                           | 39.6                          | 1537       |
| JHNC 474 B | 26              | 1   | 45                | 88                 | 40               | 1   | 97              | 1 | 140              | 3   | 3       | 34.3                  | 9.07                                           | 39.6                          | 2050       |
| JHNC 680   | 40              | 1.5 | 50                | 130                | 50               | 1   | 130             | 2 | 210              | 3   | 4       | 47.9                  | 17.44                                          | 65.0                          | 5503       |

### Remark:

All the data are for reference, and not for guarantee any order. Cores with other specifications can be provided according to your demands. **Welcome to customize your own core.**