



## Oriented thin-gauge silicon steel strips GT-050

### Characteristic Curves:

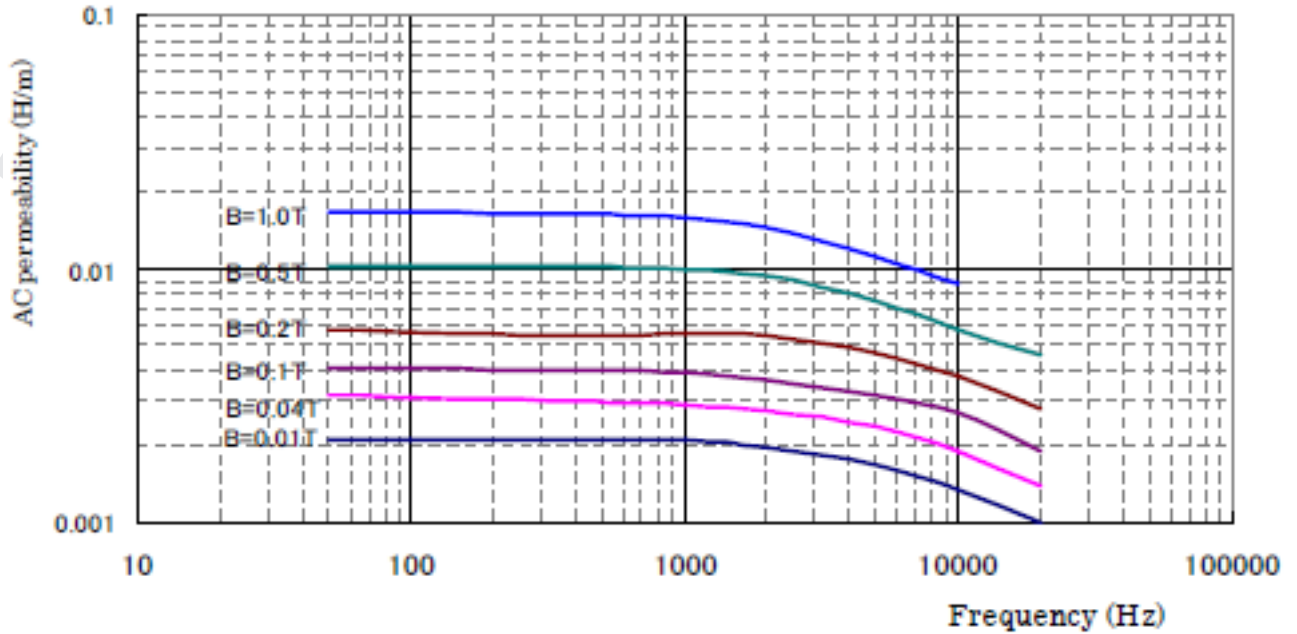


Fig A. Frequency permeability characteristics curves of GT-050

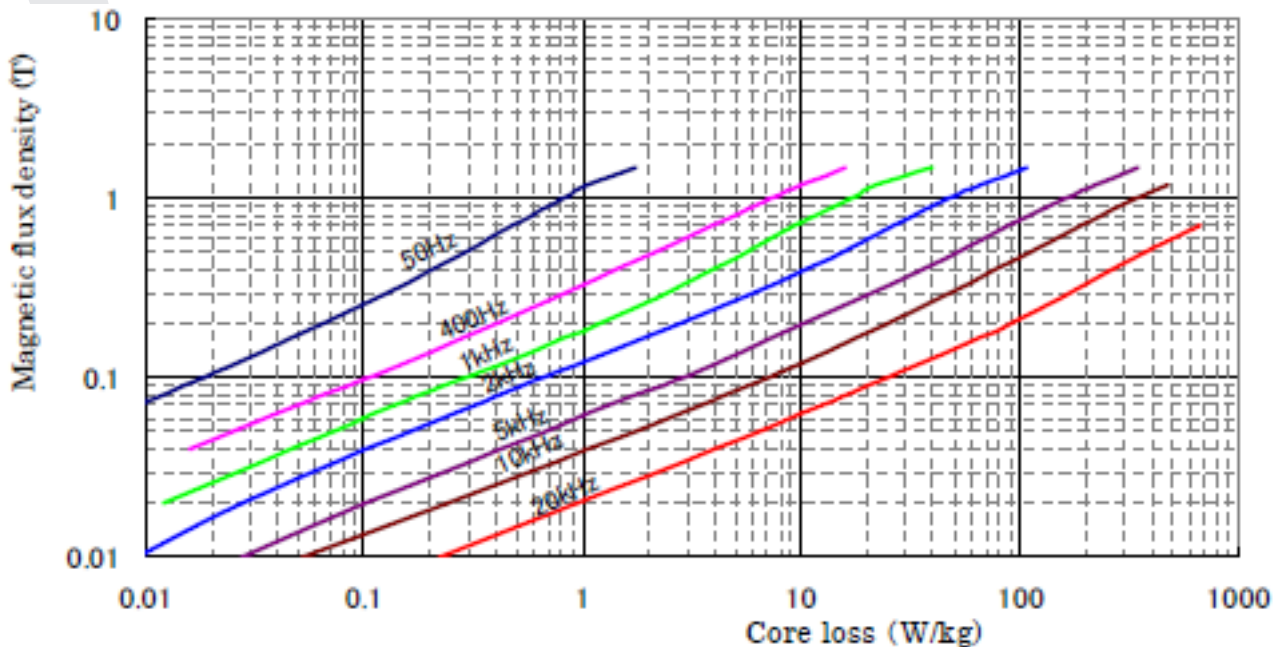


Fig B. Core loss curves of GT-050





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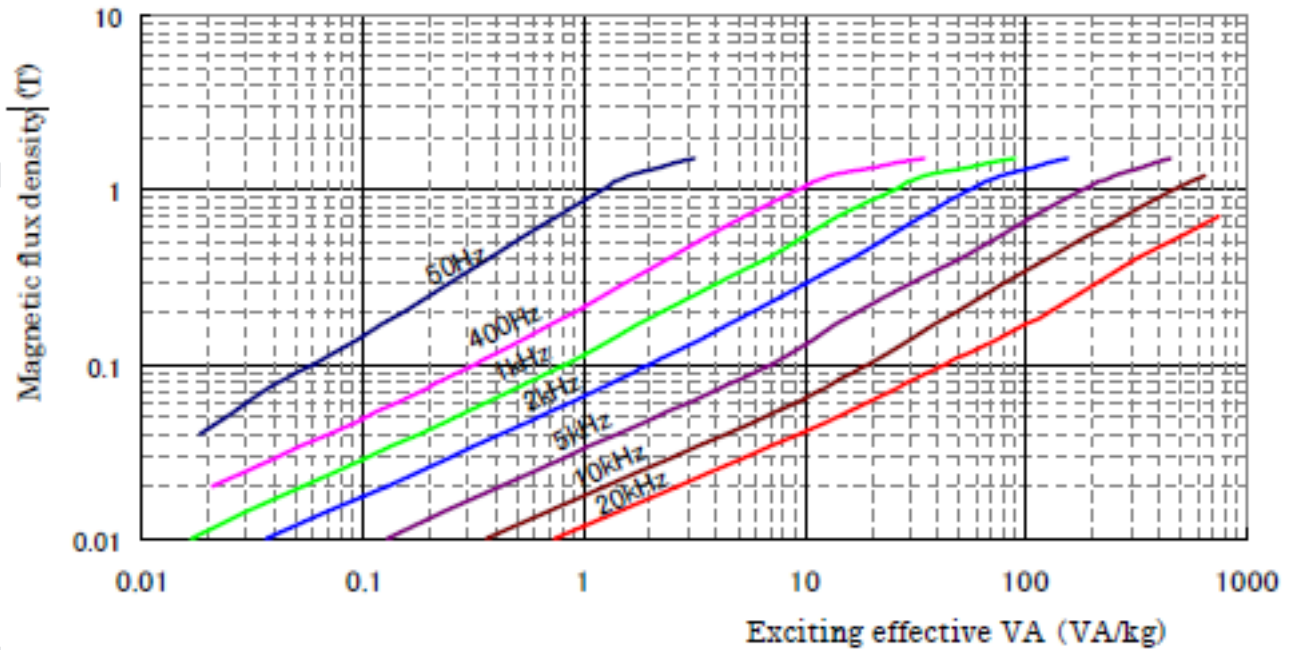


Fig C. Exciting power curves of GT-050

## Typical Magnetic Properties and Specifications

| Grade  | Thickness |        | Density<br>g/cm <sup>3</sup> | Core loss (W/kg) ※1 |                     |                      |                     |                     |                      |                        | Magnetic flux density<br>※2 B <sub>8</sub> T | Lamination factor % |
|--------|-----------|--------|------------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|----------------------|------------------------|--|---------------------|
|        | mm        | in     |                              | W <sub>15/50</sub>  | W <sub>15/400</sub> | W <sub>10/1000</sub> | W <sub>5/2000</sub> | W <sub>2/5000</sub> | W <sub>1/10000</sub> | W <sub>6.5/20000</sub> |  |                     |
| GT-100 | 0.10      | 0.0039 | 7.65                         | 1.2                 | 12.5                | 21.3                 | 18.0                | 15.2                | 10.4                 | 13.0                   | 1.82   | 93                  |
| GT-050 | 0.05      | 0.0020 | 7.65                         | 1.7                 | 13.0                | 17.0                 | 13.0                | 10.2                | 7.1                  | 5.3                    | 1.75   | 90                  |

※1 W<sub>10/1000</sub> Core loss in 1.0(T)/1000(Hz)

※2 B<sub>8</sub> Magnetic flux density at magnetizing force 800(A/m)

