

Polar Anisotropic Sintered Ferrite Magnet

At Tokyo Ferrite, we can provide polar anisotropic ring magnets with a high performance that are not possible with conventional isotropic ring magnets and radial anisotropic magnets. We develop high performance, low cost permanent magnet (PM) stepper motors.

Features

- ◎ Using Tokyo Ferrite's own special production method, we are able to achieve high performance at 1.8 times (maximum) that of conventional isotropic ferrite magnets.
- ◎ Being anisotropically magnetized locally for each magnetic pole, the magnets get few distortions during the firing process and have superior strength.
- ◎ Similar to conventional magnets, insert molding with the shaft is possible.

About the names of TFM polar anisotropic magnets

$\frac{TH}{\text{Material properties}} - \frac{N}{\text{Number of poles}}$

For example: TH-24 (24 poles at outer circumference)