



a YAGEO company

Overview

KEMET's wireless power transfer ferrite tiles are suited for high-power wireless charging systems, such as those used in automotive charging applications. They are used to ensure maximum coupling and efficiency in high power systems. Their temperature robustness makes them operable at up to +125°C. The formulation of the ferrite material allows for operation at up to 1 MHz.

Product Highlights

- AEC-Q200 qualified
- Operating temperature: -40°C to +125°C
- RoHS and REACH compliant

Electrical Characteristics

- Initial permeability: 3000
- Curie temperature: 220°C
- Core loss: 370 kW/cc at 120°C
- Saturation magnetic flux density: 410 mT at 100°C

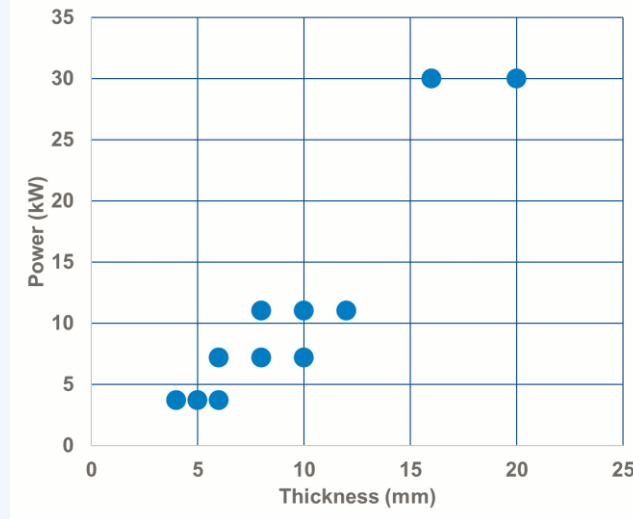
Part Number System

FPL 100/ 100/ 4- BH1T

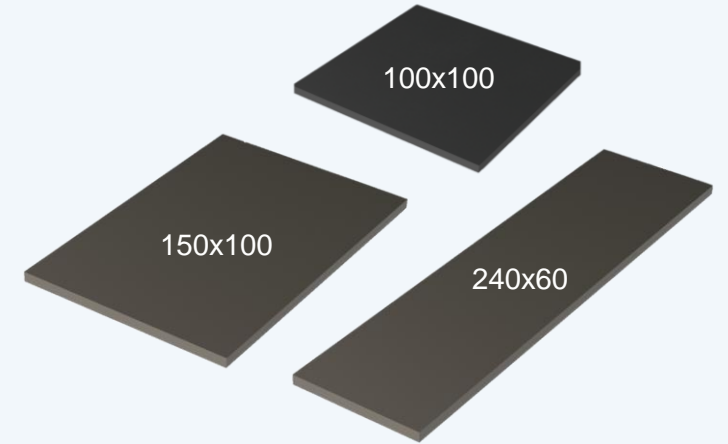


FPL Series Wireless Power Transfer Ferrite Tiles

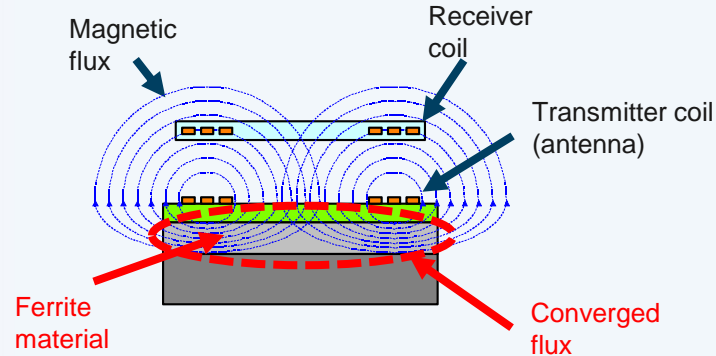
Tile Thickness vs. Reference Power



Standard shapes



Effect of Ferrite Material



Low Loss Ferrite Material

