Soft ferrite component

Mn-Zn Ferrite Tile

OVERVIEW

Mn-Zn ferrite tiles, which indicate high charging efficiency, are a suitable magnetic material for high current wireless power transfer devices such as EV (Electric Vehicles) and AGV (Automatic Guided Vehicle).

FEATURES

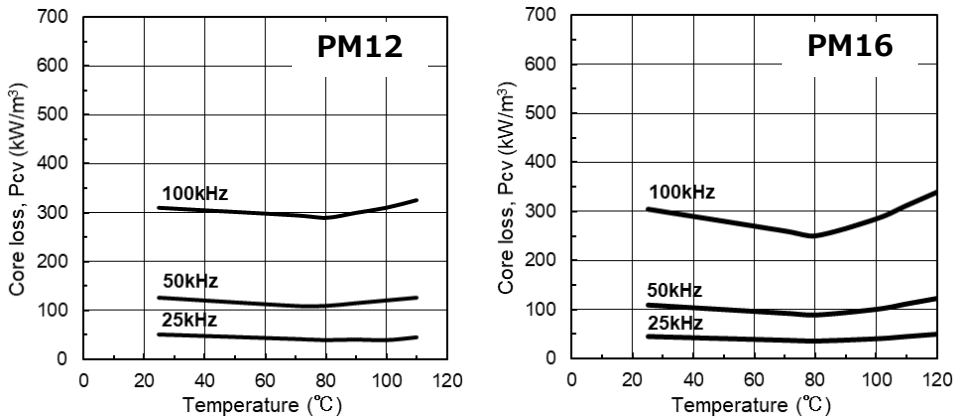
Low core loss and stable inductance	Mn-Zn ferrite tiles have the stable characteristics in a wide temperature range.
Specialized design for low frequency	Mn-Zn ferrite tiles are designed to realize high Q and μ' in a range of 85kHz for automotive.
Various types of shape	Requested shape and size are supplied.

CHARACTERISTICS

【Specifications】

GRADE	PM12	PM16※
Material	Mn-Zn ferrite	Mn-Zn ferrite
Standard size (mm)	100×100	100×100
Thickness (mm)	1.0～5.0	1.0～5.0
μ' at 10kHz, 1mT	3200±25%	3400±25%
Pcv (kW/m^3) at 100kHz, 200mT	315	305

※The latest product



【Temperature dependence of core loss (Bm=200mT)】

APPLICATIONS

- High current wireless power charger for EV and AGV.
- Radio wave absorber for anechoic chamber.

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