

## Soft ferrite product

# Flexible Mn-Zn Ferrite Plate for WPT

# (Thick and Ultra-Large Flexible Ferrite Sheet)

#### FEATURES

Flexible Mn-Zn ferrite plates are used in low frequency wireless power transfer (WPT) devices to charge on-board batteries for electric vehicles (EV) and automatic guided vehicles (AGV). When they are attached to coils of WPT, the power transmission efficiency is improved.

#### CHARACTERISTICS

1	Thick and ultra-large size The plates have thicknesses of 1 to 2 mm, and ultra-large size is also available.
2	High flexibility Magnetic properties are unaffected by bend or shock due to their flexibility.
3	Material design focused on low frequency (85 kHz) WPT Material properties are optimized for WPT mounted on vehicles.

#### SPECIFICATIONS

[Product specifications]

GRADE	PM12 PLATE	PM16 PLATE
Material	Mn-Zn ferrite	Mn-Zn ferrite
Thickness [only ferrite] (mm)	1.0 ~ 2.0 <sup>%</sup>	1.0 ~ 2.0 <sup>%</sup>
Standard size (mm)	200 x 100 <sup>*</sup>	200 x 100 <sup>%</sup>
	*Please contact u	is if you need other thickness or size of plates

[Ref.) Material specification]

GRADE	PM12	PM16
μ' at 10kHz, 1mT	3200 ± 25%	3400 ± 25%
Core loss Pcv (kW/m³) at 100kHz, 200mT	315	305

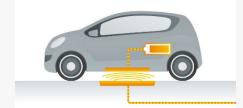


# [Example of Plate Configuration]

\*Customizable to laminate with any tapes. Ex.) PET cover tape can be changed to adhesive tape.

### APPLICATIONS

High current WPT devicesEMC devices



# Wireless Power Transfer

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