



## Technical Data Sheet

### WP-RX-A03-020

## Wireless charging coil floppy disk

#### 產品說明

**FeedPool® WP-RX-A03-020** This product is made by mixing special alloy powder and plastic after grinding, and the non-iron oxide powder sintering process Ferrite. Improve the charging coil to be disturbed by the metal background to recover the magnetic field lines, increase the coil Q value (high inductance, low capacitance), so the transmission efficiency can also be improved, and the soft magnetic sheet has a high thermal conductivity (1.4 W/mK) to achieve good heat dissipation.

#### Product Features:

- Applicable to WPC Qi specification.
- The separator has a high permeability.
- Excellent thermal conductivity · 1.4 W/mK  
Thermal conductivity °
- The recovery rate is achievable 100%.
- We can provide different forms of materials according to customer needs.
- RoHS compliant.

#### Product Applications

- Wireless charging module for electronic devices (mobile phones, bracelets, tablets, etc.).
- Wireless charging pad for cars.
- Smart furniture wireless charging module.
- Wireless charging module for smart home appliances

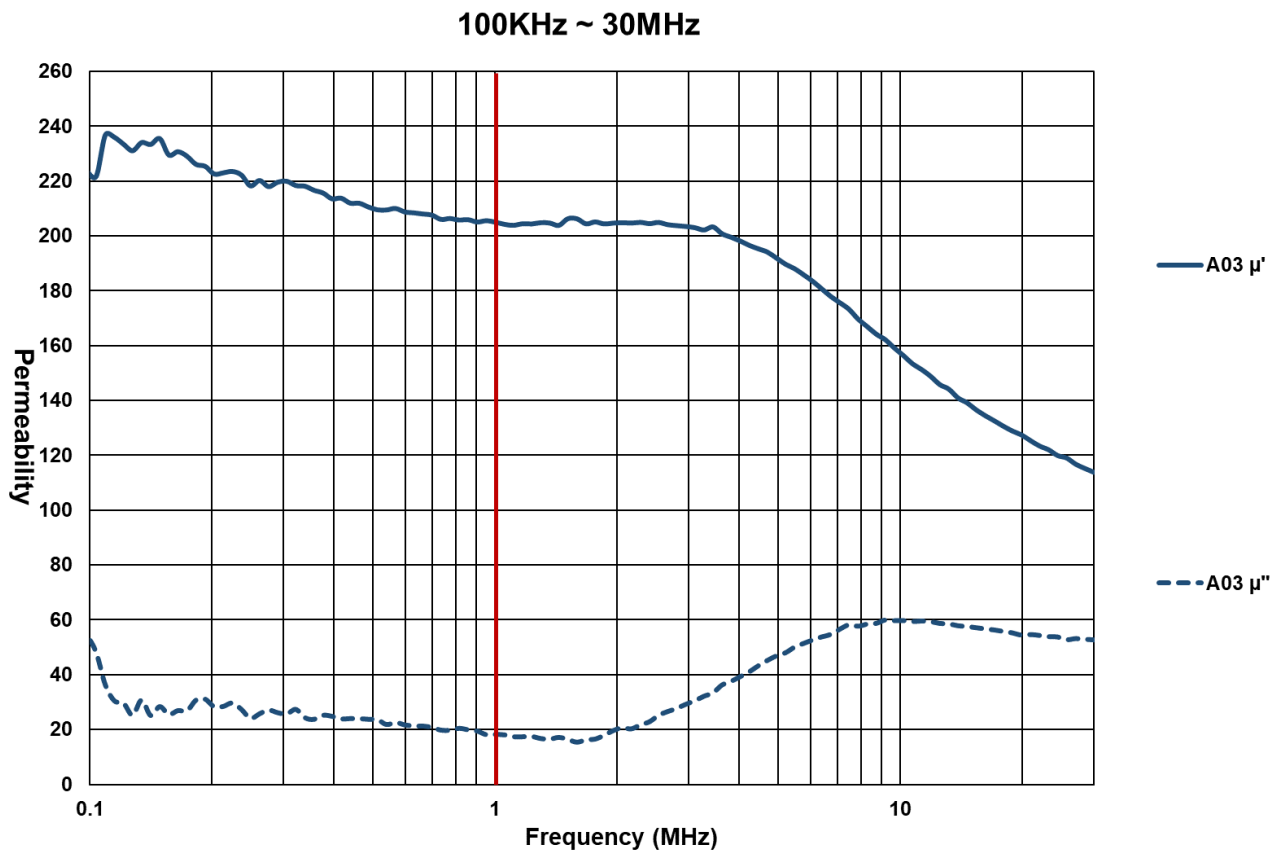
#### Product Specifications:

Item	Description
Product shape	One-sided
Applicable frequency bands (KHz)	100 ~ 200
Thickness(No adhesive backing) (mm)	0.2 ± 0.1
Quality Factors @125KHz Q-Factor	23.56 ± 5
Recovery rate @125KHz(%)	102 ± 3
Surface resistance ( Ω/□)	≥ 10 <sup>6</sup>
Thermal conductivity (W/mK)	1.4 ± 0.5
Color	silver gray
Material	Ferrite ceramic sheets

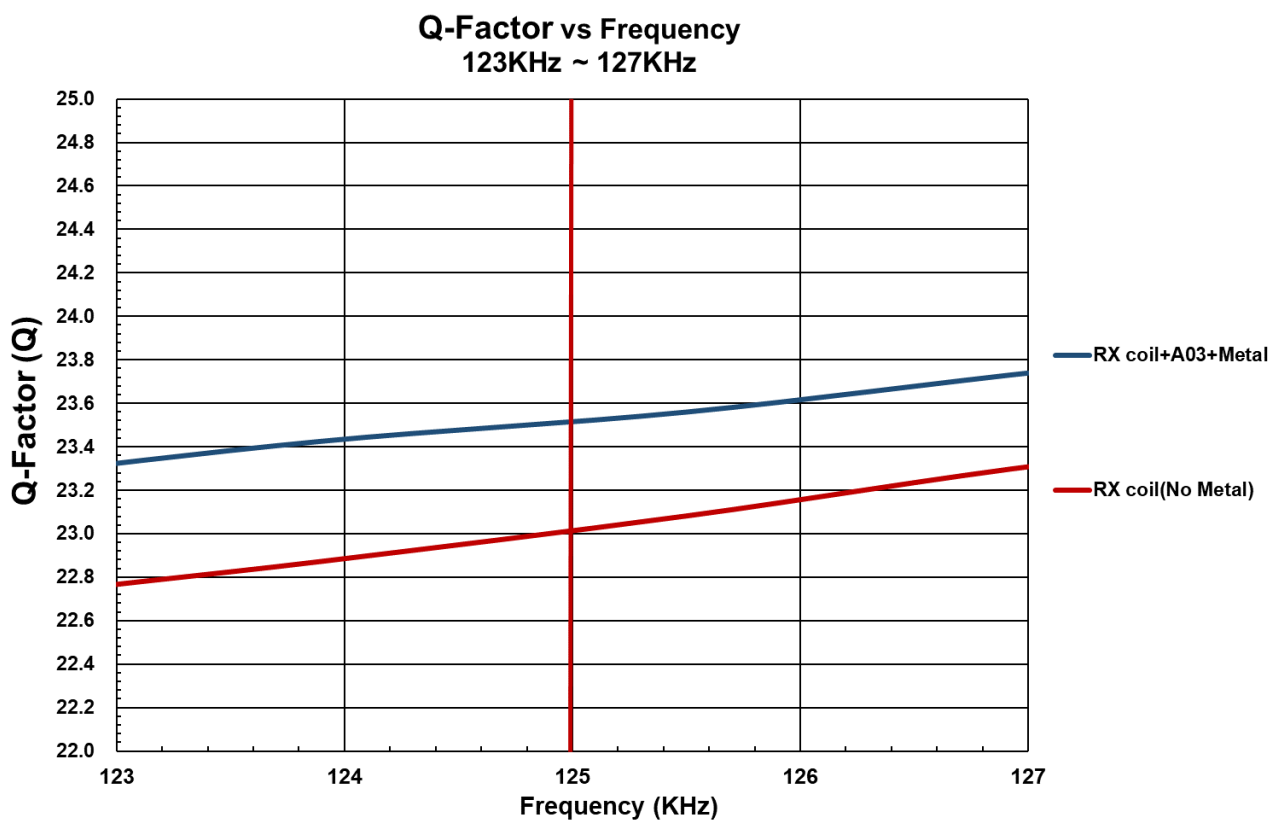
\*Thermal conductivity quantity measurement equipment HOT DISK (Sensor 5465 for Slab)



Permeability (100KHz~30MHz)

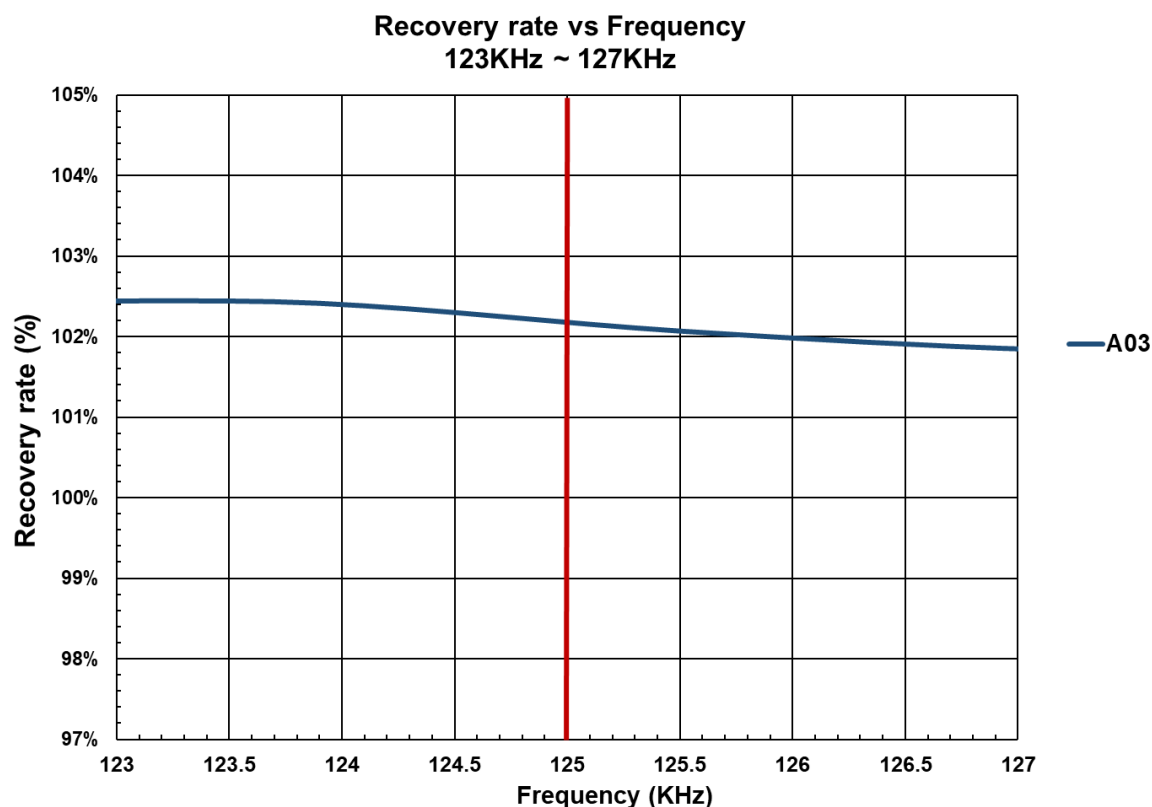


WP-RX-A03 Q-Factor (123KHz~127KHz)





WP-RX-A03 Recovery rate (123KHz~127KHz)



Product code

WP-RX-A03-020-XX  
X : Length ( 30m ~ 50m )

General information

- For information on the safe handling of this product, please refer to the Safety Data Sheet (SDS).
- Technical data is tested under the laboratory conditions of Feedpool Technology Co., Ltd.

Feedpool Technology Co., Ltd.

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