肥特補科技股份有限公司
Feedpool Technology Co., Ltd

Technical Data Sheet

W/P-TX-A01

Wireless charging coil transmitter isolation

Product Description:

FeedPool®W/P-TX-A01 This product is made of a transmitter coil with a high permeability iron oxide magnetic sheet shielding, and a variety of metal iron oxide powder is ground and then sintered at high temperature. Improve the charging coil to be disturbed by the metal background to recover the magnetic field lines, increase the Q value of the coil (high inductance, low capacitance), so the transmission efficiency can also be improved, and the separator has an excellent thermal coefficient (3.5 W/mK) to achieve good heat dissipation.

Product Features:

- Applicable to WPC Qi specification.
- The separator has a high permeability.
- Excellent thermal conductivity · 3.5 W/mK Thermal conductivity。
- The recovery rate is achievable116%(Thickness: 1.0mm).
- We can provide different forms of materials according to customer needs.
- RoHS compliant.

Product Applications

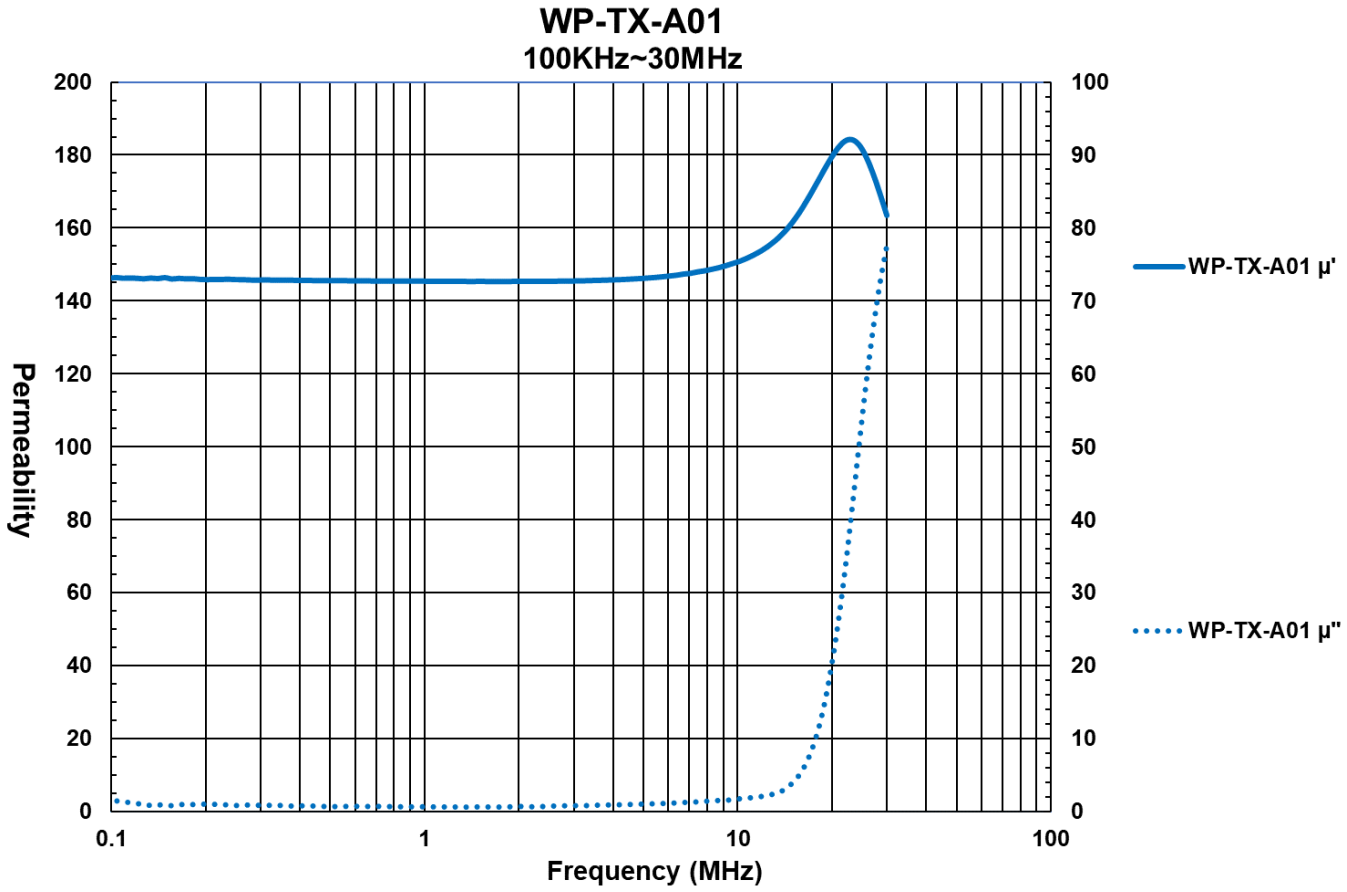
- Wireless charging module for electronic devices (mobile phones, bracelets, tablets, etc.).
- Wireless charging pad for cars.
- Smart furniture wireless charging module.
- Wireless charging module for smart home appliances

Product Specifications:

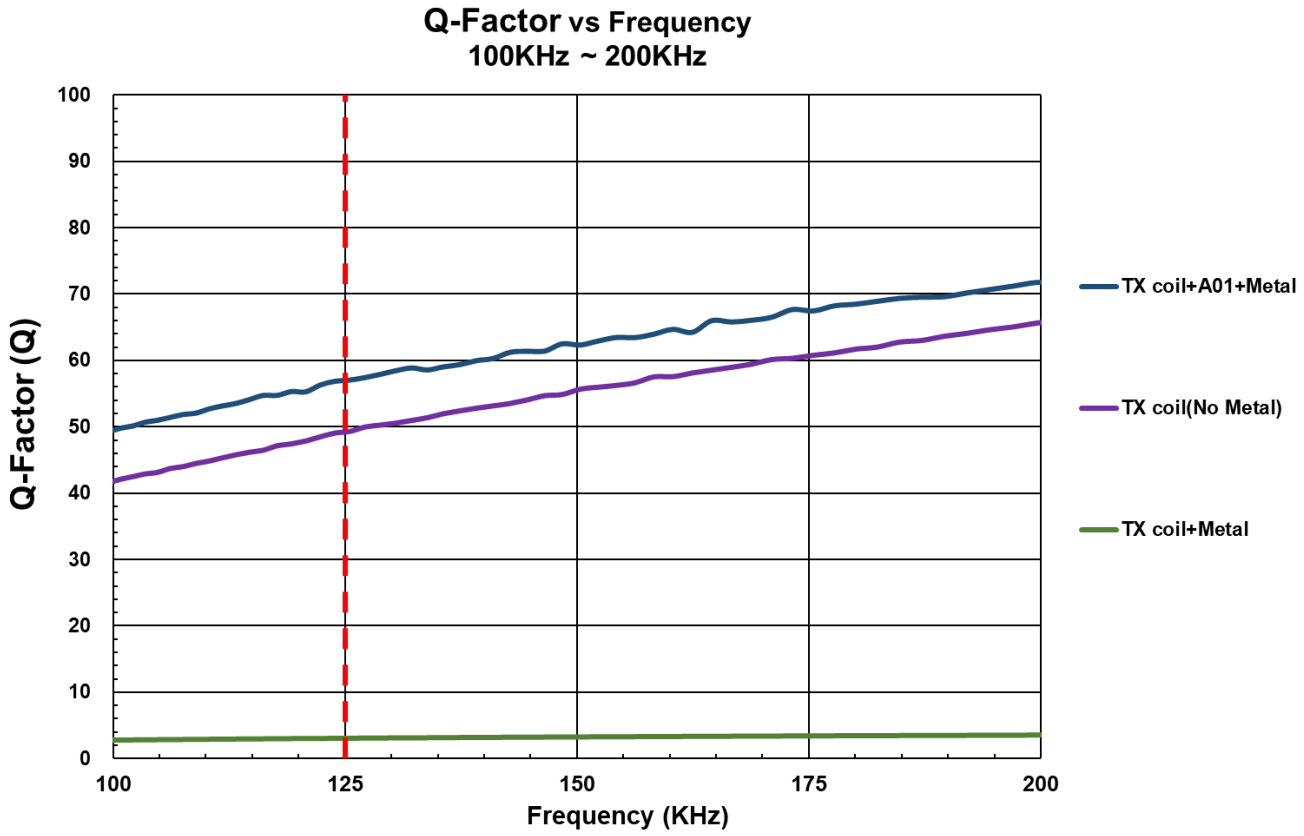
Item	Description
Product shape	One-sided
Applicable frequency bands (KHz)	100 ~ 200
Thickness(No adhesive backing) (mm)	1.0 ± 0.1
Conductivity @125KHz	140 ± 15%
Quality Factors @125KHz Q-Factor	57 ± 5
Recovery rate @125KHz(%)	116 ± 3
Surface resistance (Ω/□)	≥ 10^6
Thermal conductivity (W/mK)	3.5 ± 0.5
Color	Grey
Material	Ferrite ceramic sheets

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

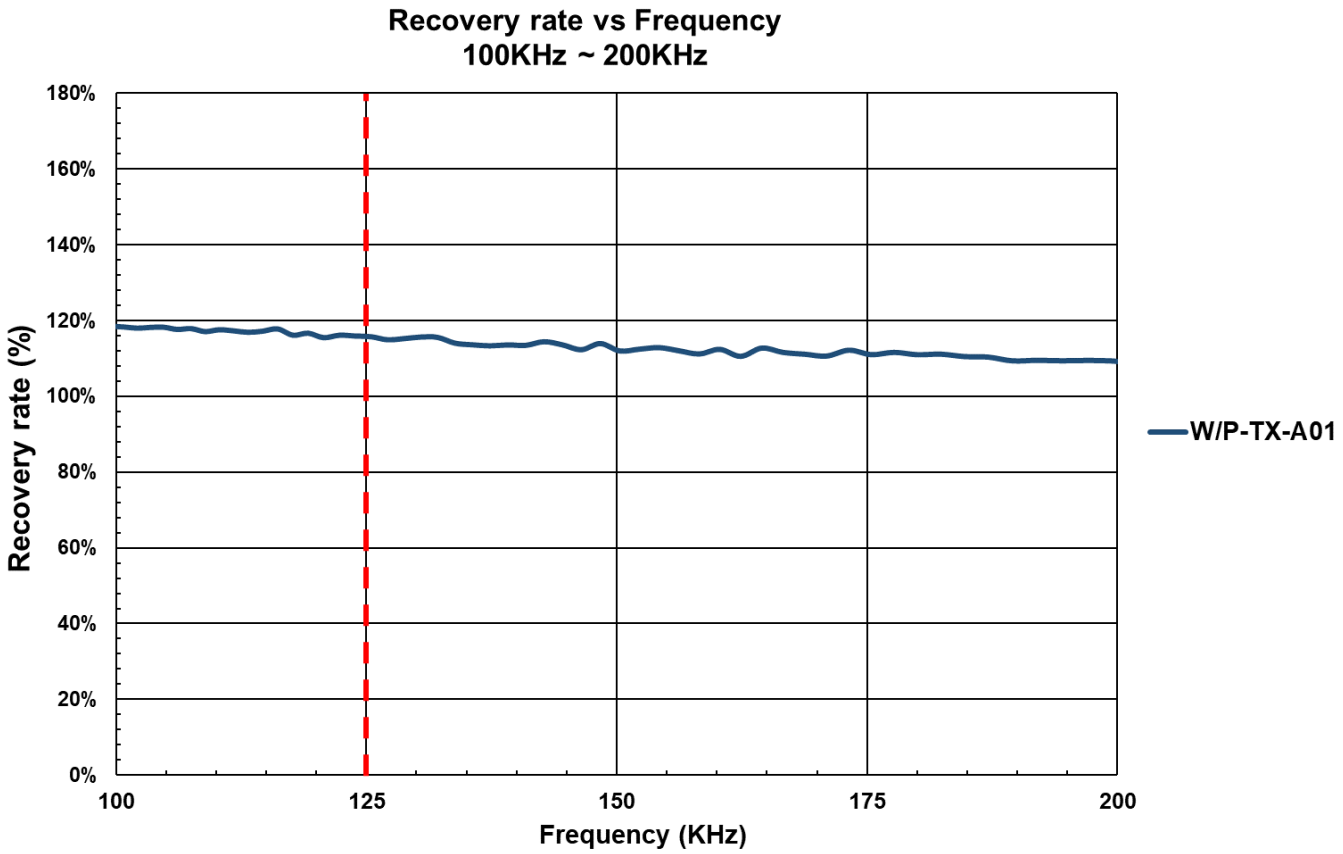
Permeability (100KHz~30MHz)



Q-Factor (100KHz~200KHz)



Recovery rate (100KHz~200KHz)



Product code

W/P-TX-A01

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.
Address: No.7,Lane 607,Yung Ping Road, Yangmei City Taoyuan, Taiwan.
Website: www.feedpool.com Tel: 886-3-4813158 Fax: 886-3-4813059