



Technical Data Sheet HFY Series HF Tag Noise Isolator



A. Description

HFY Series is made of special magnetic powder and plastic coating, which can suppress the interference noise of NFC Tag by metal materials. You can choose the appropriate model and thickness according to the required reading distance to solve the problem of NFC interference noise.

B. Properties

- 12MHz~16MHz absorbs a wide bandwidth.
- The elastic material is thin and lightweight, suitable for thin electronic devices.
- We can provide rolls or sheet materials according to customer needs.
- Halogen-free, PVC-free, lead-free.

C. Application

Specially designed for NFC Tag to suppress noise from metallic materials.

D. Specification

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HFY Product Specification				
Product model	HFY-120	HFY-080	HFY-050	HFY-040
Product thickness (mm)±10%	0.02-0.5	0.02-0.5	0.1-1.0	0.1-1.0
μ´@3MHz	120±12	80±10	50±5	40±5
Surface resistance Ω	≧1x10 ⁶	≧ 1x10 ⁶	≧1x10 ⁶	≧1x10 ⁶
Density g/cm³	3.2±0.3	3.0±0.3	3.0±0.3	2.8±0.3
Operating temperature °C	-40~120	-40~120	-40~85	-40~85
Frequency range Hz	10M~6G	10M~6G	10M~6G	10M~6G

E. Product code

HFY-XXX-YYY

- X : Model (HFY-040 ~ HFY-120)
- Y : Thickness (0.02 mm ~ 1.0 mm)

F. 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.



E. Permeability (13.56MHz)



F. HF-50 Return loss S11(10MHz~20MHz)



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