

μ-sheet (Ferrite sheet)

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The spread of non-contact IC Card function deployment machinery of RFID(13.56MHz) application, launch a new product of a high-performance flexible ferrite sheet corresponding to market expansion.



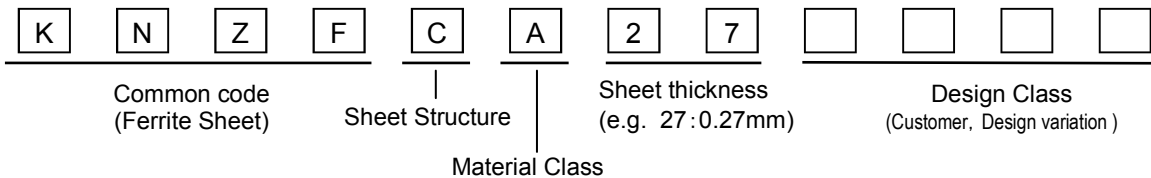
○ Feature

- The improvement of the communication distance and the wider bandwidth are achieved by the high magnetic permeability ferrite.
- No characteristic degradation by static electricity.
- Flexibility is achieved by sintered ferrite.
- Correspond to various shape.
- The equipment can be thinned and miniaturized.
- RoHS-compliant. / Halogen-free.

○ Recommended Applications

- Portable terminal with electronic settlement function.
- Non-contact IC card.
- Reader / Writer for RFID System , RFID Tag.

○ Explanation of Part Numbers



○ Characteristics / Specifications

Ferrite Characteristics

Magnetic permeability (μ)	Resistance (Ω cm)	Density (g/cm ³)	Heat conductivity (W/m·k)
300	5 × 10 ¹¹	5.1	4.0

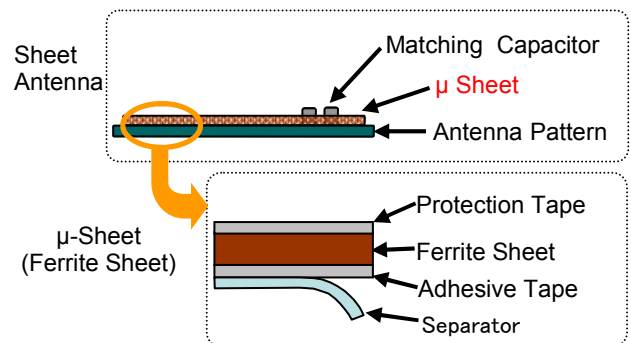
Standard Specification

Product Number	*Size (mm)	Thickness (mm)
KNZF**15****	40×35	0.145
KNZF**27****	40×35	0.270

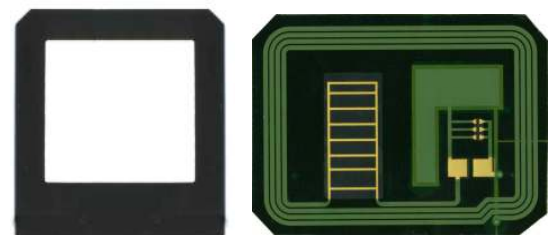
*Size is separately discussed.

○ Example of use : Sheet Antenna

(Structure)



(Figure)



※Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and / order.