



Impact-Resistant Magnetic Silicone Resin Sheet

OVERVIEW

These sheets are produced by mixing TODA KOGYO's soft ferrite powders and silicone resin. They can be affixed to joints and gaps impacted mechanically. Due to their permeability, they can suppress the deterioration of magnetic properties caused by the leakage of magnetic flux. The improvement of heat resistance and durability can be expected by use of silicone resin.

FEATURES

Impact resistance

They are suitable for noise suppression at impact area due to their silicone resin.

Improvement of efficiency for wireless power transfer

They show superior property of reducing magnetic flux leakage by using soft ferrite powders with high dispersibility.

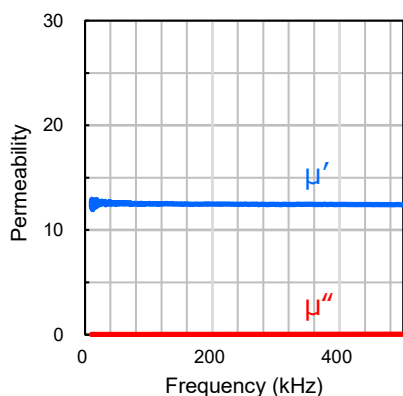
CHARACTERISTICS

【Typical properties】

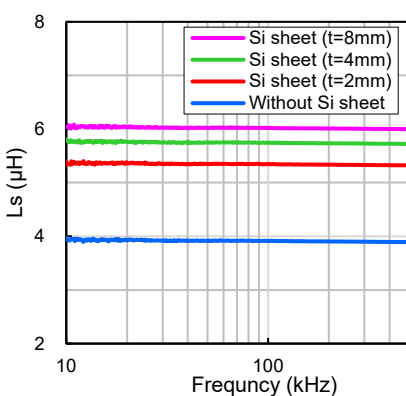
Property	Specification
Material	Magnetic powder, Silicone resin
Sheet thickness	0.5~2.0mm
Typical size	□100mm
Saturation magnetic flux density	200mT
Permeability μ'	10



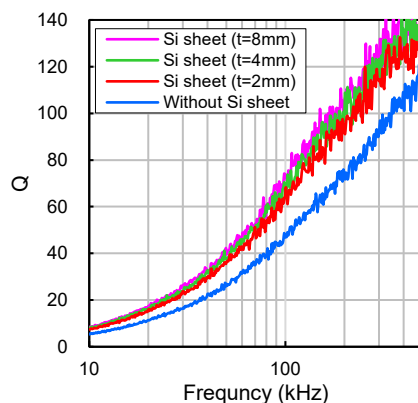
【Elasticity and flexibility sheet】



【Frequency characteristics of magnetic permeability】



【Frequency characteristics of inductance】



【Frequency characteristics of Q】

APPLICATIONS

- Prevention of magnetic flux leakage and improve the efficiency of WPT
- Magnetic noise suppression for electronic devices

