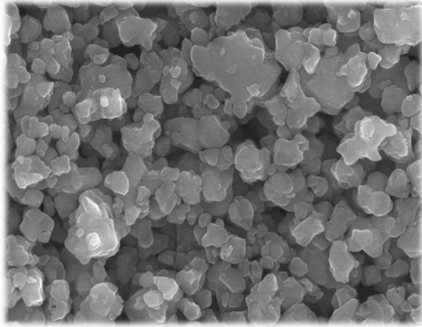


Soft magnetic ferrite material



Ni-Zn-Cu Ferrite Powder for Electronic Parts [FRX Series]

FEATURES

TODA KOGYO's Ni-Zn-Cu ferrite are soft ferrite powders that can be sintered at low temperatures and are used as raw material for electronic parts, such as inductors and noise suppression components.

CHARACTERISTICS

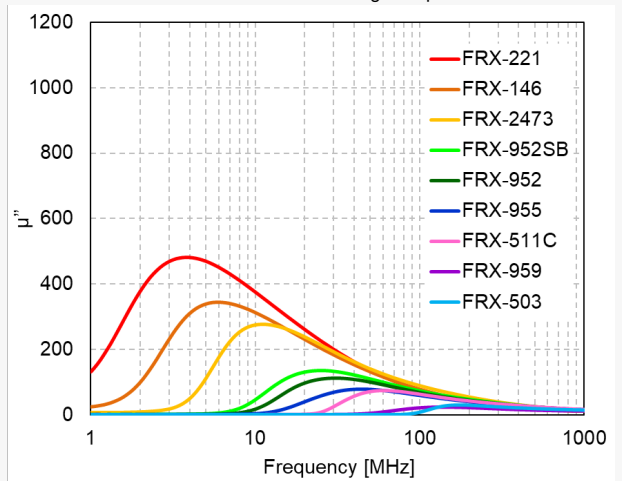
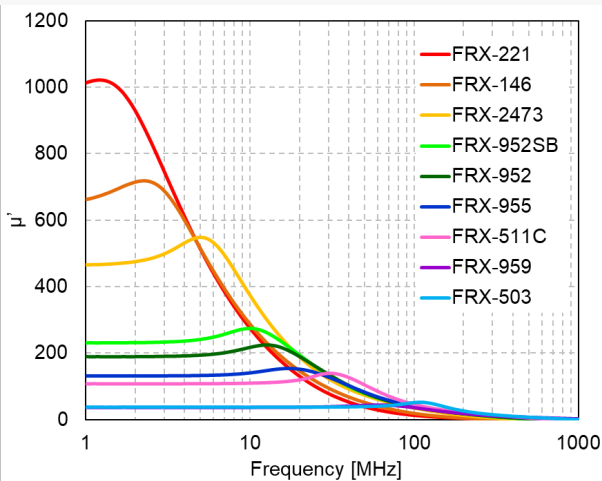
- 1 **Low temperature sintering property**
The composition and particle size of the ferrite are optimized to be sintered at 900 °C or less without a sintering additive.
- 2 **Excellent magnetic properties**
The powders are ferrite with few impurities and has superior and stable magnetic properties.

SPECIFICATIONS

【Typical specifications】

Product name	FRX-959	FRX-503	FRX-955	FRX-511C	FRX-952	FRX-952SB	FRX-2473	FRX-146	FRX-221	FRX-250*
Compressed density [g/cm ³]	3.08	3.04	3.13	3.12	3.00	3.10	3.17	3.04	3.15	3.12
Average particle size [μm]	0.66	0.64	0.65	0.67	0.65	0.70	0.70	0.69	0.62	0.72
Specific surface area [m ² /g]	4.67	4.61	4.39	4.88	4.38	4.50	4.51	4.24	5.22	3.05
Curie temperature [°C]	527	472	394	389	339	325	246	150	123	-
Bm (1000A/m)	[mT]	152	221	309	351	361	368	373	284	272

※ FRX-250 is a non-magnetic powder of Cu-Zn ferrite.



【Frequency dependence of permeability μ' and μ'' 】
(Measured after sintered at 900 °C)

APPLICATIONS

- Inductors
- Noise suppression parts
- Filter parts

