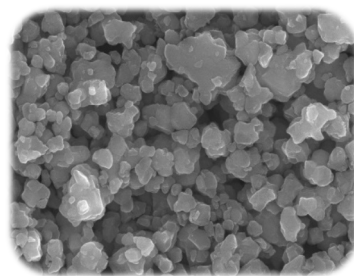


Soft ferrite material

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



OVERVIEW

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.

FEATURES

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.

Excellent magnetic properties

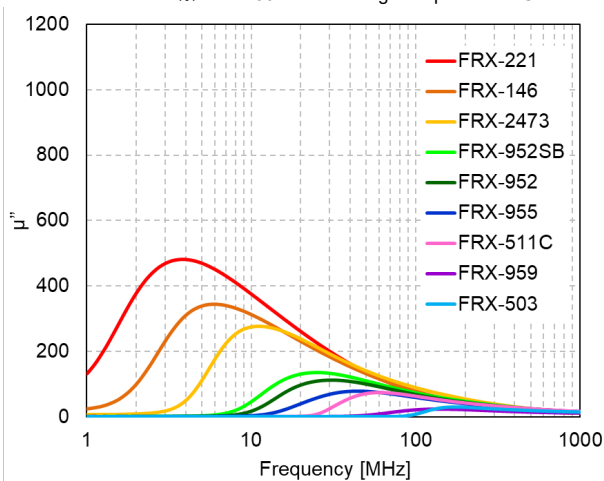
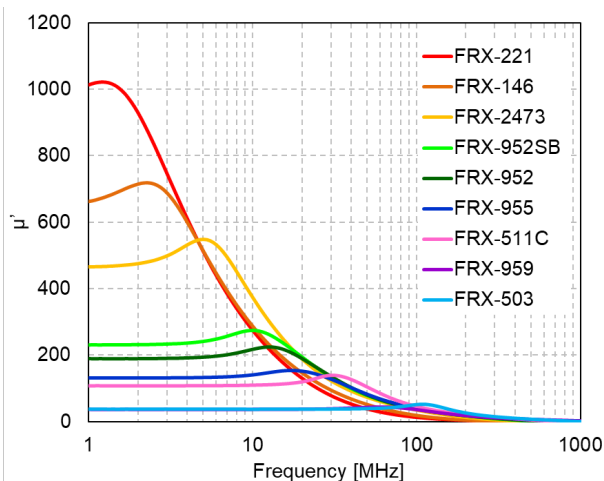
The powders are ferrite with few impurities and has superior and stable magnetic properties.

CHARACTERISTICS

[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	-	
B _m (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

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