

FINEMET® Common Mode Choke Coils/Cores FT-3K10Q series

Contribute to downsizing of noise filter



Outline

- High impedance at wide frequency range.
- Stable impedance under wide temperature range required for automotive parts.

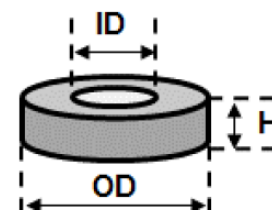
Applications

On board charger for xEV,
Inverter for xEV, etc.

Features

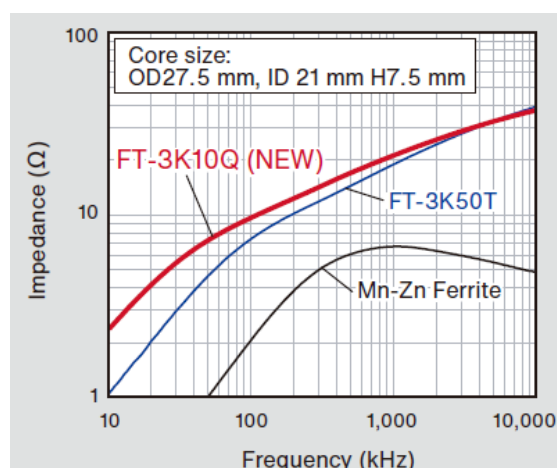
Comparison of "FT-3K10Q" with conventional materials

Material	impedance (Ω)		
	10kHz	100kHz	1MHz
FT-3K10Q	2.32	9.57	21.05
FT-3K50T	1.02	7.31	18.72
Mn-Zn Ferrite (Our material MP70D)	0.19	2.05	6.73



Core size:
OD27.5 mm, ID 21 mm H7.5 mm

Frequency characteristics of impedance



Temperature dependence of impedance

