



35 μ Ma-Flux Powder Core

WH36 Material Substitute for -8 Material

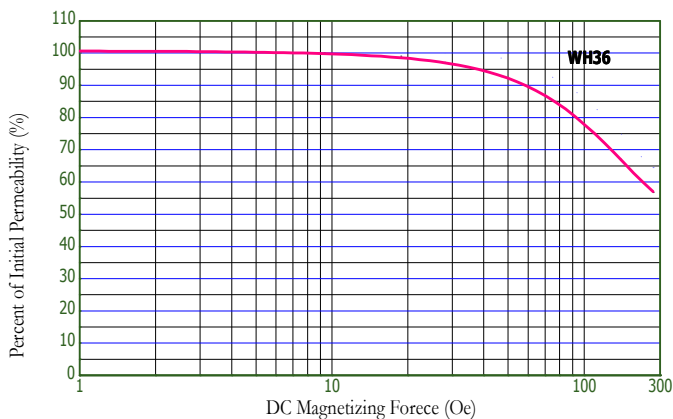
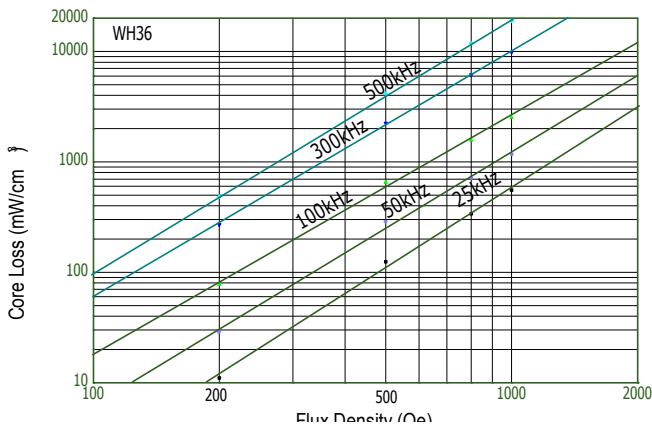
WH36 Material is a new of Fe alloy Ma-flux Material with distributed air gap inside the core. WH36 is developed to meet high current, high frequency, high energy storage and other high power application. WH36 is suited to PFC inductor, high frequency noise filter and etc.

WH36 is developed to substitute -8 material. Compared to -8 material iron powder core, WH36 powder core has **no thermal aging problem , lower cost, better stability** and etc.

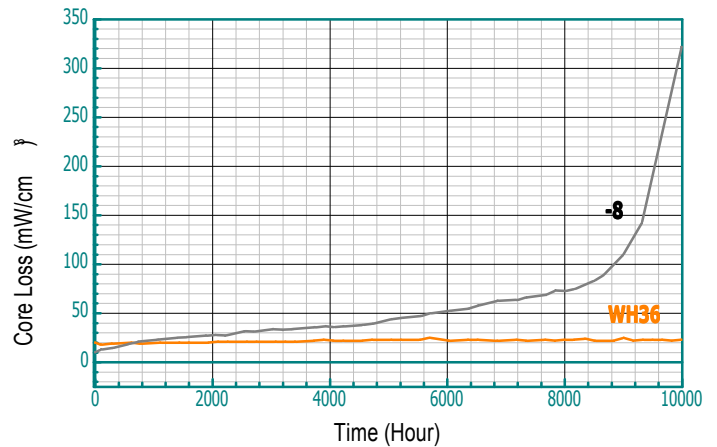
WH36 core can be shaped in toroid, E shape, U shape, block and etc.

Material Characteristics Parameter

Characteristics	Parameter
Composition	Fe-Si alloy
Initial Permeability	35
Bs (Gs)	16000
Curie Temperature	500 (°C)
Temperature Range	-55~200(°C)
Core Loss (100kHz/50mT)	600mW/cm ³



Thermal Aging Curve



Aging Condition: -8 material 160°C
 -WH36 Material 210°C
 Core Loss Test Conditon: f=500kHz B=50Gs

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