

Si-Fe® Cores (KSF)

Characteristics

Si-Fe® Cores (KSF Series) is made from 94% Fe and 6% Si. It is named XFlux by Magnetics and MegaFlux by CSC. It has a saturation flux density of 16000Gs and excellent DC-Bias characteristics. Its core loss is lower than Iron Powder Cores and have no problem of Thermal Aging. It is specially suitable for applying in, High Current Power Choke, Power inductor for energy storage, PFC Chokes and so on. It is also widely applied in solar, wind energy, hybrid powered vehicles. Permeability that we can produce now is 26ui-90ui, toroid and block shape.

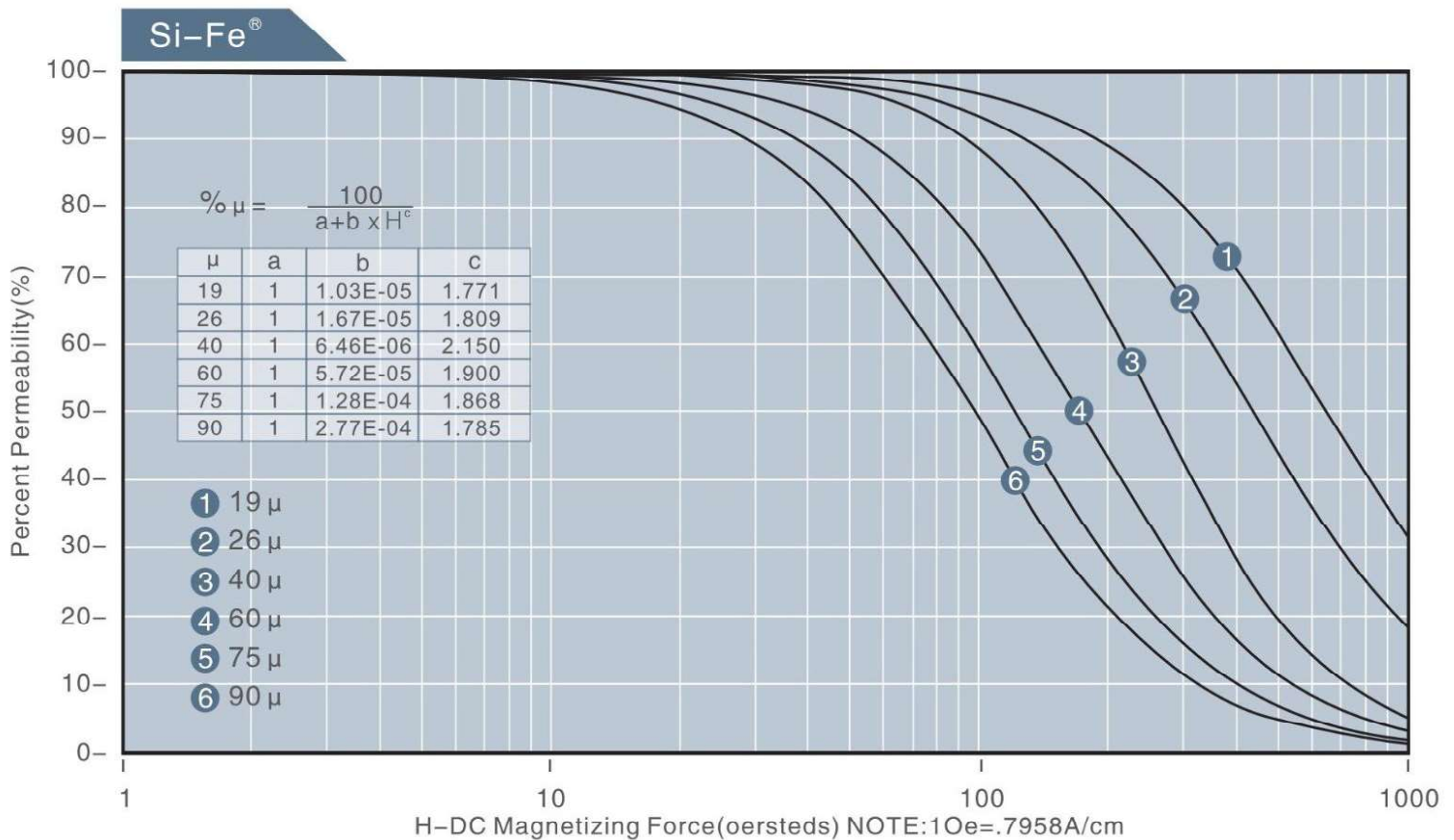
Main Features:

- High Saturation Flux Density (16,000 Gauss)
- Excellent DC-bias Characteristics
- Excellent Thermal stability Without Aging Problem

Main Applications:

- Industrial Power Supply
- PV Inverter
- Uninterruptible Power Supply

Percent Change of Permeability vs .DC Magnetizing Force



Typical Core Loss Curves

