

# MPP (molypermalloy powder)

## Description

- 80% nickel, 2% molybdenum iron alloy powder
- Distributed air gap throughout core material
- Relatively High Saturation flux density (Bs)
- Low residual flux density
- High temperature stability
- Lowest core losses

## Characteristics

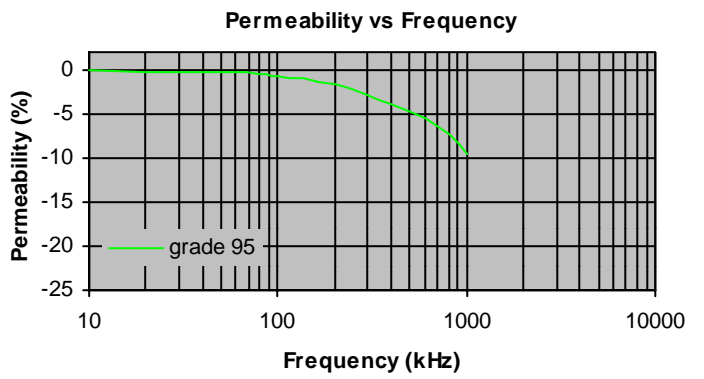
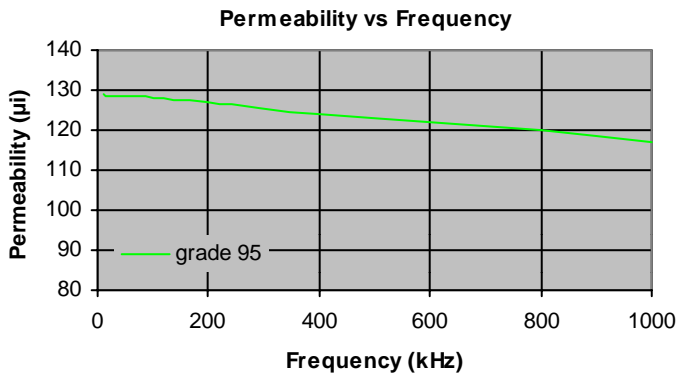
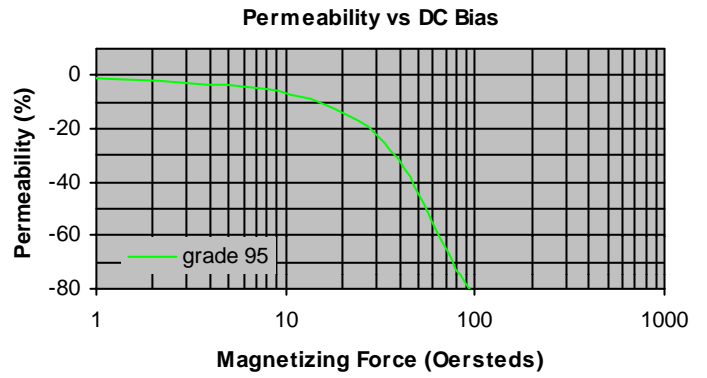
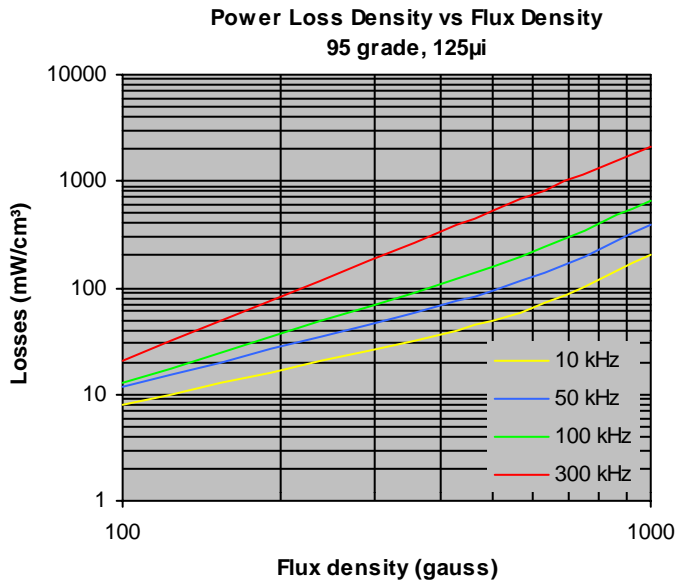
Material name	<b>MPP</b>
Material grade	<b>95</b>
Permeability ( $\mu$ i) at 10kHz, 10 gauss	<b>125</b>
Power Loss Density (mW/cm <sup>3</sup> ) at 50 kHz, 1000 gauss	<b>400</b>
Flux Density at 200 Oersteds (gauss)	<b>7100</b>
DC bias measured at 80% permeability (Oersteds)	<b>25</b>
Maximum Operating Temperature (°C)	<b>200</b>
Core colour	<b>Dark blue</b>

Note: The values listed above are typical and may vary depending on core shape and size. Permeability is for reference only as cores are made to the AL values listed.

## Typical Applications

- Output filter inductors for SMPS
- High Q filters
- EMI / RFI filters
- Precision inductors with high temperature stability

## Performance graphs



Note: the right to change specification data as required without notice is reserved.