

## Material Properties

Material	CF 124		
Base Material	MnZn		
Property	Symbol	Unit	
Initial Permeability (T = 25 °C)	$\mu_i$		2500±20%
Flux density H = 1000 A/m, f = 10 kHz)	$B_s$ (25 °C) $B_s$ (100 °C)	mT mT	490 390
Residual Flux Density	$B_r$ (25 °C)	MT	200
Coercivity	$H_c$ (25 °C)	A/m	16
Power loss density 16 kHz, 200 mT, 25 °C 100 °C 25 kHz, 200 mT, 25 °C 100 °C	$P_v$	kW/m <sup>3</sup>	≤100 ≤90 ≤150 ≤130
Curie Temperature	$T_c$	°C	>220 °C
Resistivity	$\rho$	Ωm	0.5
Density	d	Kg/m <sup>3</sup>	4800
Core Shapes			UU



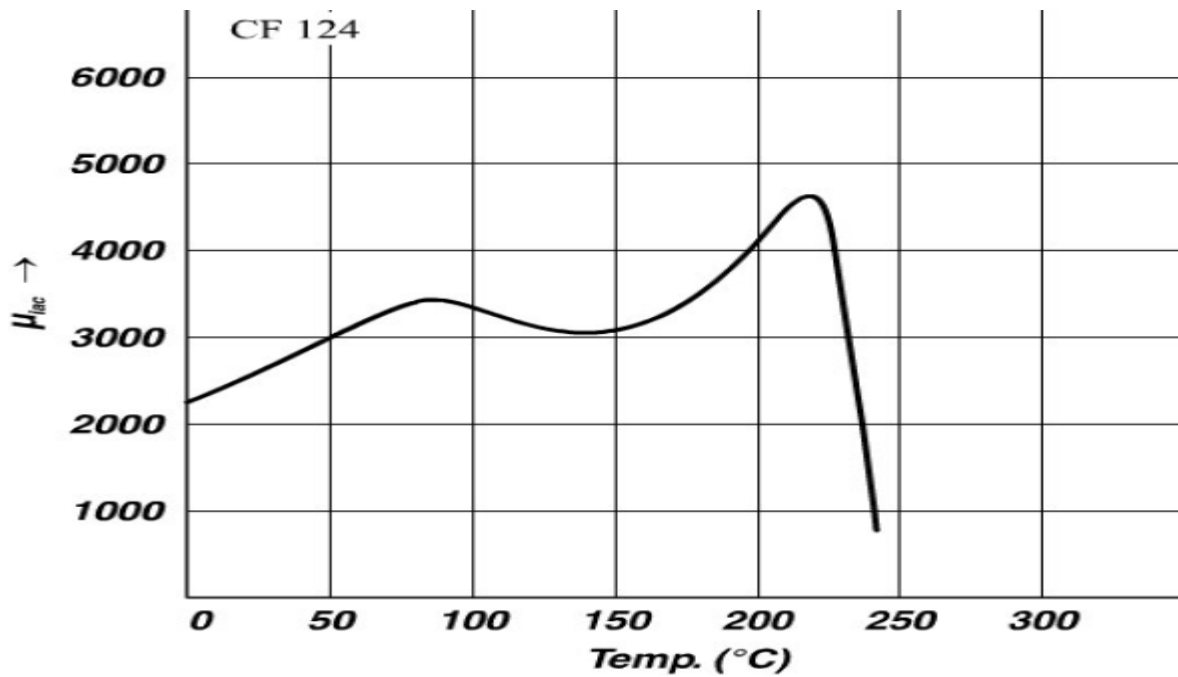
### Prodin Ferrite S.L.

Calle A, 27, 08620 Sant Vicenç dels Horts, Barcelona (Spain)

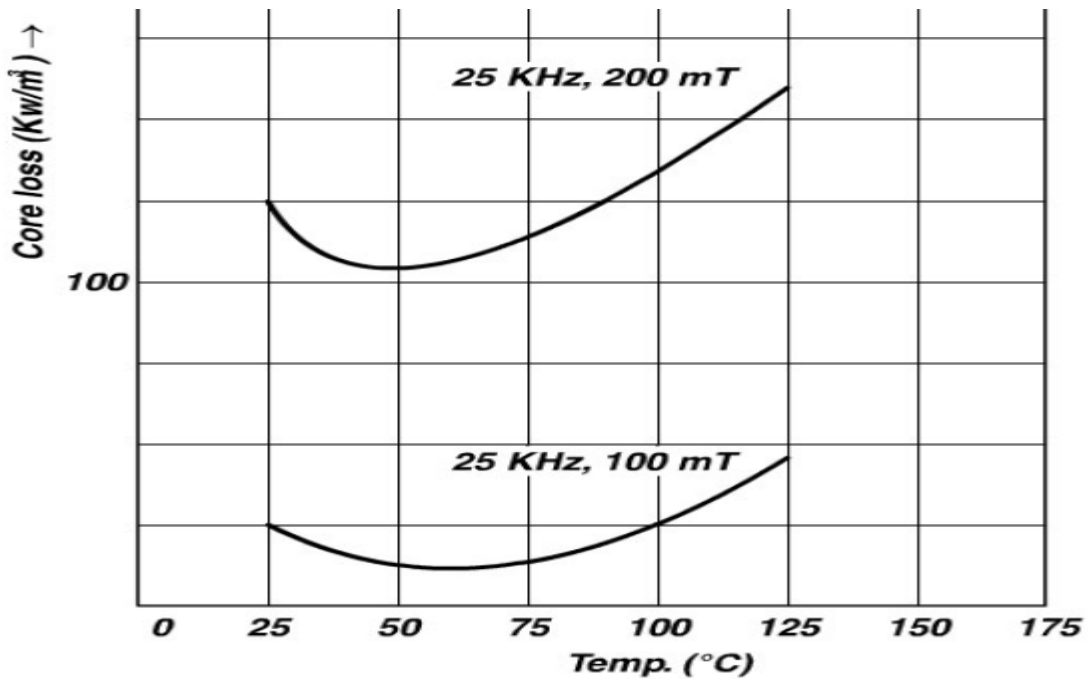
Tel.: +34 93 672 46 10

[info@prodinferrite.com](mailto:info@prodinferrite.com) [www.prodinferrite.com](http://www.prodinferrite.com)

**Initial Permeability versus Temperature (Measured on T2512 Toroids)**



**Core loss Vs Temperature (Measured on T2512 Toroids)**



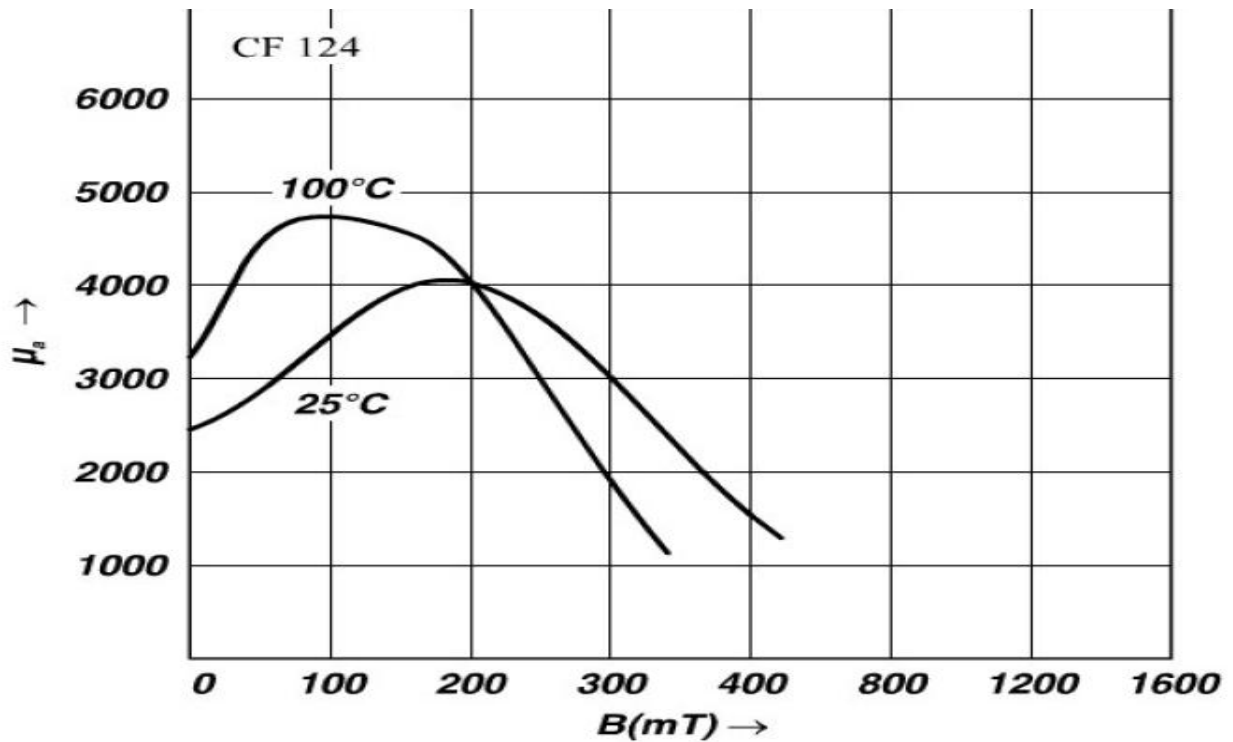
**Prodin Ferrite S.L.**

Calle A, 27, 08620 Sant Vicenç dels Horts, Barcelona (Spain)

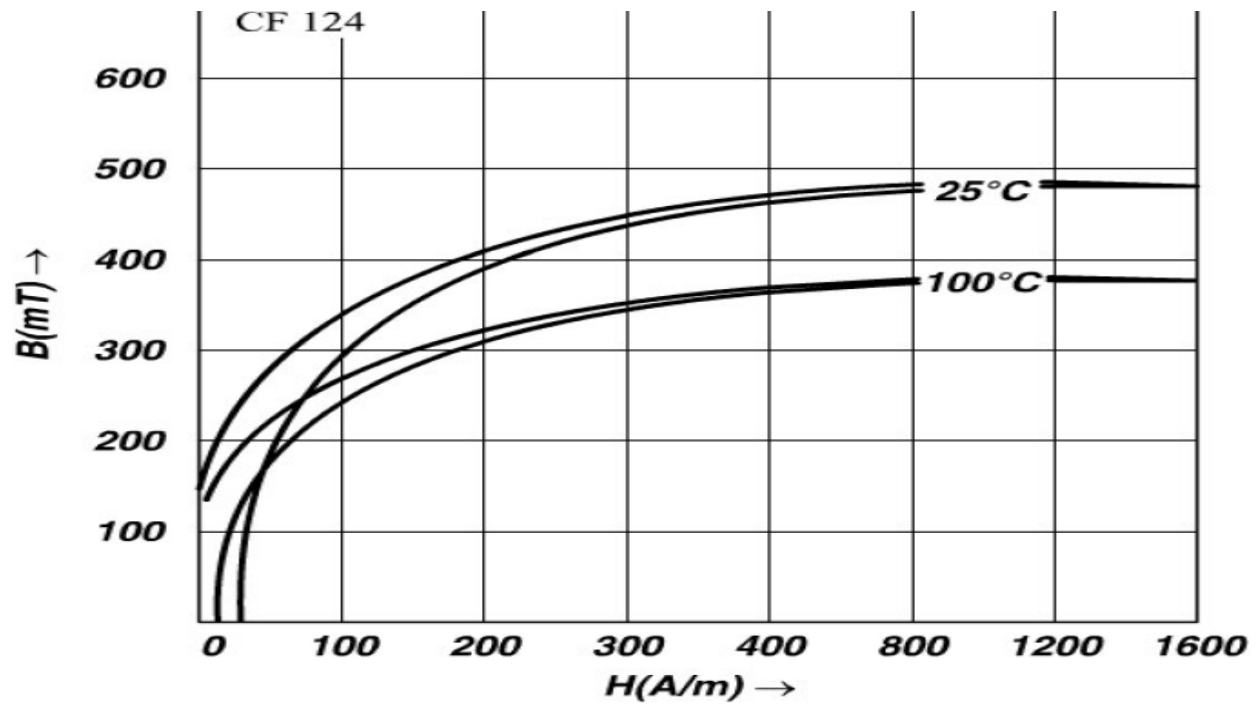
Tel.: +34 93 672 46 10

[info@prodinferrite.com](mailto:info@prodinferrite.com) [www.prodinferrite.com](http://www.prodinferrite.com)

Amplitude Permeability as a Function of Flux density



B-H as a Function of Temperature



**Prodin Ferrite S.L.**

Calle A, 27, 08620 Sant Vicenç dels Horts, Barcelona (Spain)

Tel.: +34 93 672 46 10

[info@prodinferrite.com](mailto:info@prodinferrite.com) [www.prodinferrite.com](http://www.prodinferrite.com)