

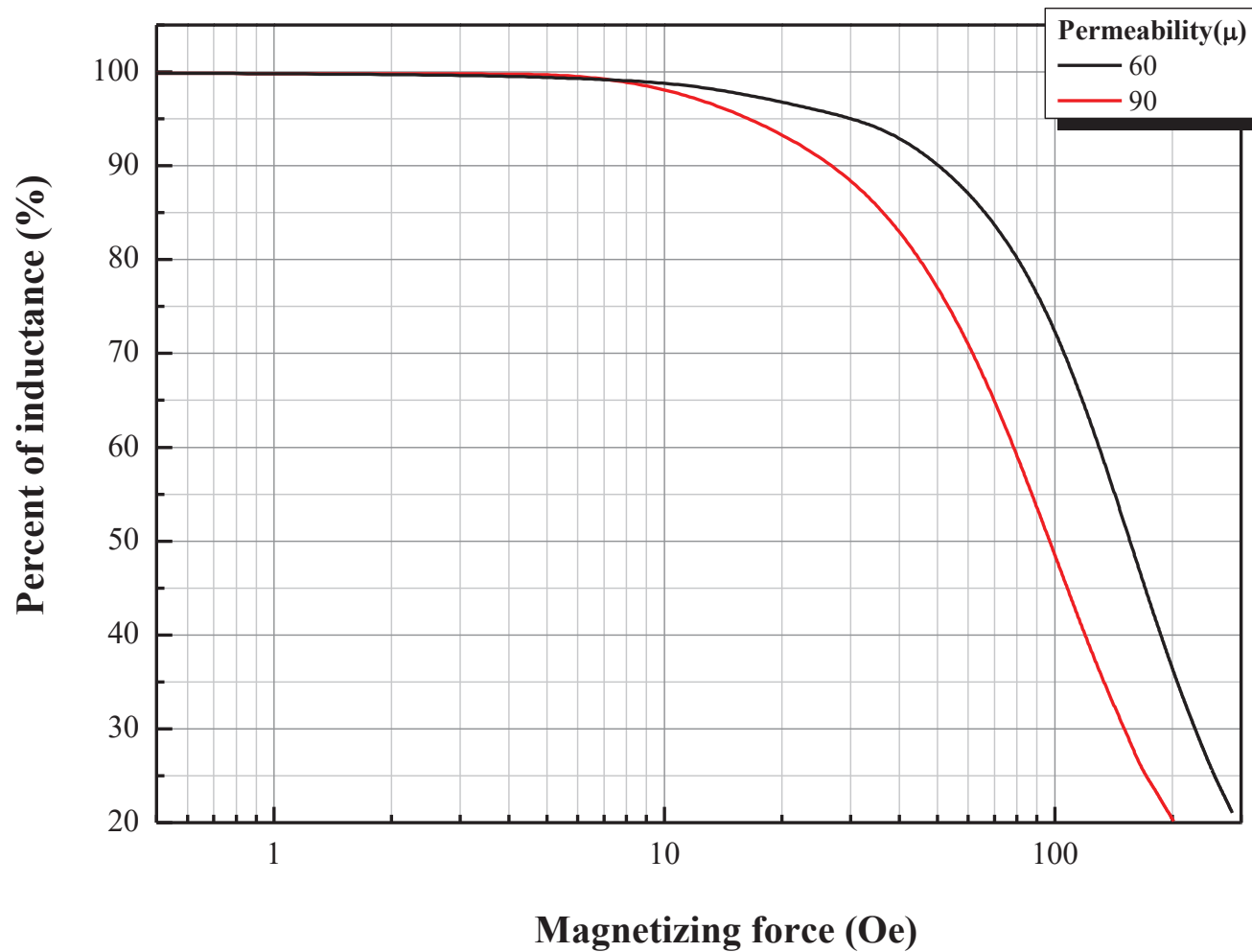
Properties of APH-series



➤ General material properties

Material alloy	Amorphous
Composition	Fe-Si-B
Permeability	60, 90 μ
Magnetic flux density	1.5 T
Curie Temp.	≈ 395 °C

➤ Inductance with DC bias current



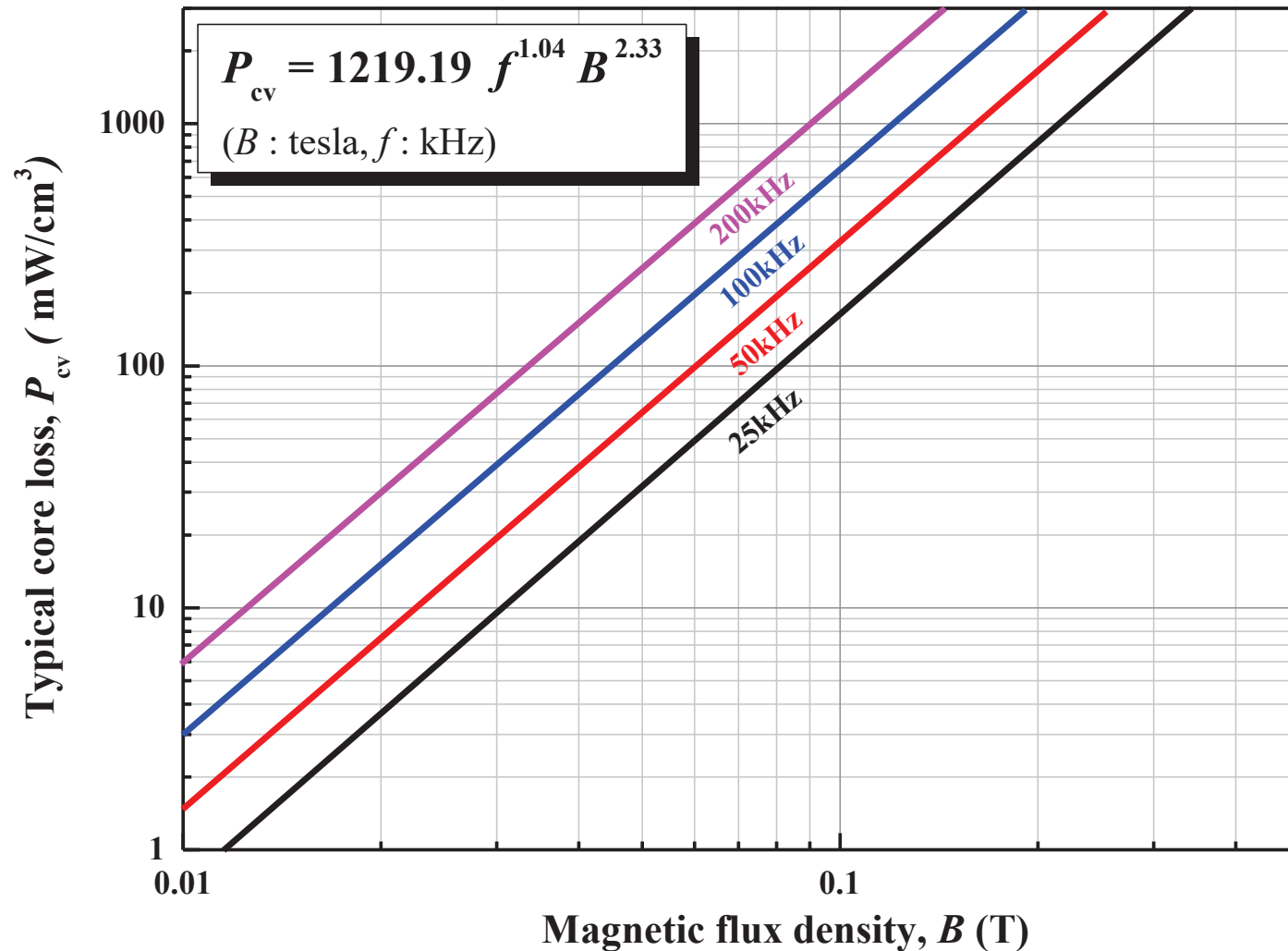
➤ APH-Series Fit Formula

$$\mu(\text{percent}) = a + bT + cT^2 + dT^3 + eT^4$$

(T : Oersted)

	Perm.(μ)	a	b	c	d	e
APH Series	60	99.68943	-0.00353	-0.00424	1.78655E-5	-2.22151E-8
	90	100.38168	-0.26561	-0.00678	5.17094E-5	-1.06979E-7

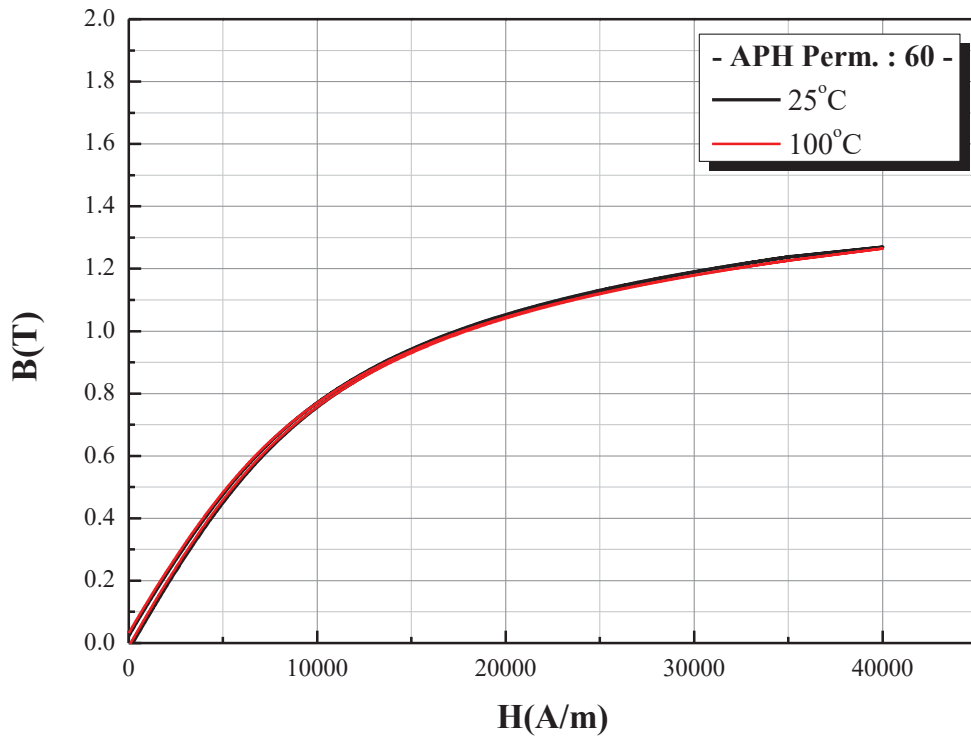
➤ APH-Series Core loss Equation



➤ BH Curve

❖ APH Series (25°C & 100°C)

■ Perm. 60



■ Perm. 90

