Material K 80
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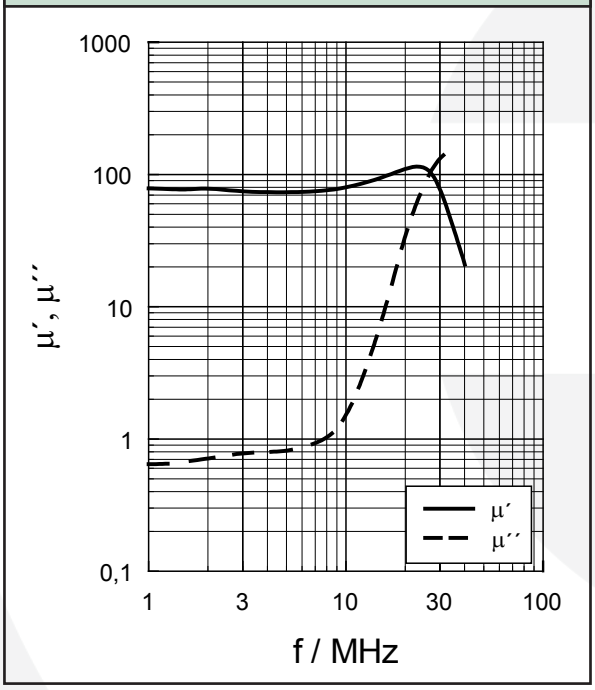
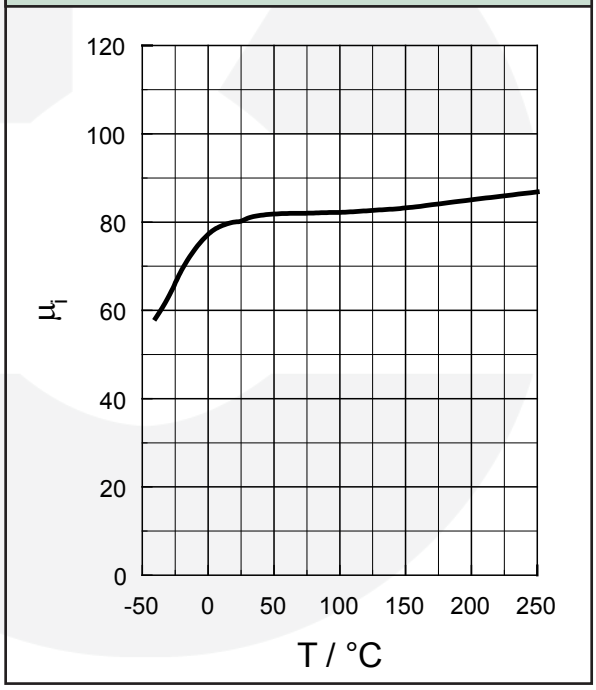
	Symbol / symbol	Wert / value	Einheit / unit
Anfangspermeabilität / initial permeability	μ_i	80 ± 25%	-
Flussdichte / flux density	B_{max}	≥ 380	mT
bei Feldstärke / at field strength	H_{max}	5000	A/m
Remanenz / remanence	B_r	≥ 170	mT
Koerzitivfeldstärke / coercive force	H_c	≤ 375	A/m
Curie-Temperatur / Curie temperature	T_C	≥ 400	°C
Bez. Temperaturbeiwert / rel. temperature coefficient	α_F		10^{-6}/K
bei / at -25°C ... +25°C		≤ 80	
+25°C ... +70°C		≤ 10	
Bez. Verlustfaktor / rel. loss factor	$\tan\delta/\mu_i$		10^{-6}
bei / at 0,1 MHz		≤ 100	
0,3 MHz		≤ 120	
1 MHz		≤ 210	
Hysteresebeiwert / hysteresis loss coefficient	η_B	≤ 2	10^{-6} / mT
Gleichstromwiderstand / resistivity	ρ	≥ 10^5	Ωm
Sinterrohdichte / sintered density	γ	≈ 4,5	g/cm³

Komplexe Permeabilität als Funktion der Frequenz
Complex permeability vs. frequency



Anfangspermeabilität als Funktion der Temperatur
Initial permeability vs. temperature



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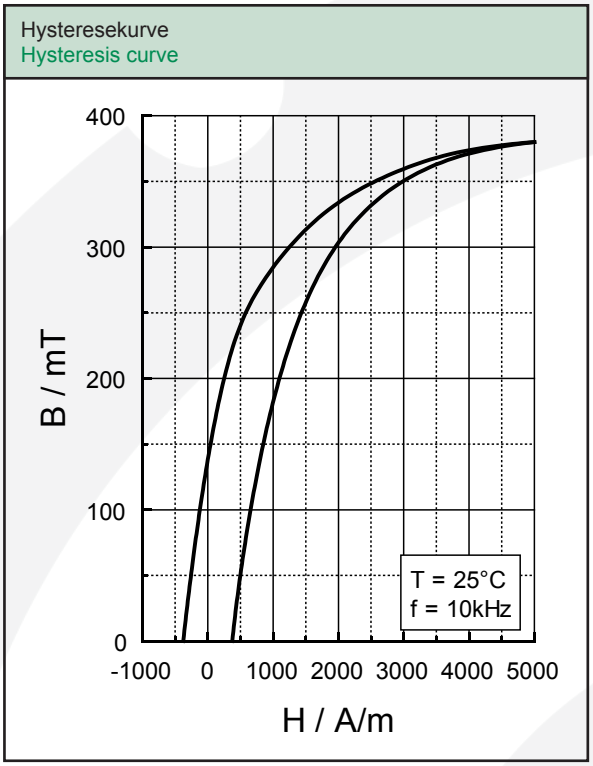
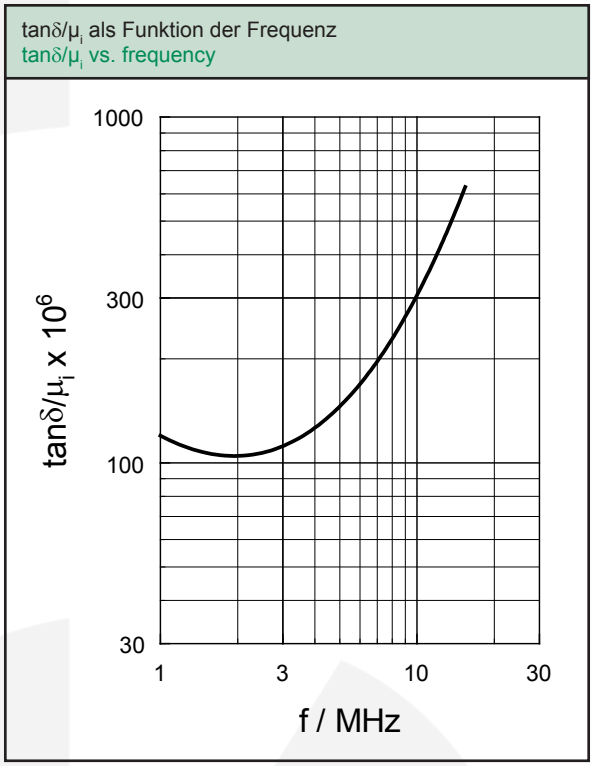
Hysteresekurve
Hysteresis curve



$\tan\delta/\mu_i$ als Funktion der Frequenz
$\tan\delta/\mu_i$ vs. frequency



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