MnZn

Material Characteristics

ITEM	Symbol	Unit	Measurtionsing Conditions		Material
			settings	Temp.	KM42B
Initial permeability	μi			20℃	4200±25%
Saturation magnetic flux density	Bs	mT	H=1200A/m	20℃	530
				100℃	420
Remanent flux density	Br	mT	H=1200A/m	20℃	75
				100℃	245
Coercive force	Hc	A/m	H=1200A/m	20℃	7
				100℃	12
Relative loss factor	tan δ/ μi	$\times 10^{-6}$	100kHz;<0.25 mT	20℃	<2.5
Relative temperature factor	αμγ	×10-6		-20~20℃	7~9
				20~60℃	<-4~-2
Hysteresis Material Constant	ηB	10^{-6}/mT	10kHz;1.5~3.0mT	20℃	<0.3
Curie temperature	Tc	℃			250
Electrical resistivity	ρ	Ω . m			5
Density	ds	g/cm^3			4.8