

Low Loss Material Characteristics

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Characteristics		Unit		FP3	FP4
Initial Permeability μi				2500±25%	2300±25%
Amplitude Permeability μa				3200min	3000min
Saturation magnetic flux density(H=1194A/m) Bs		25°C	mT	510	510
		100°C	mT	390	390
Remanence Br		25°C	mT	110	100
		100°C	mT	60	55
Coercivity Hc		25°C	A/m	12	14
		100°C	A/m	10	9
Pcv	25kHz 200mT	25°C	kW/m³	140	105
		100°C	kW/m³	110	70
Power Loss	100kHz 200mT	25°C	kW/m³	700	600
		100°C	kW/m³	600	410
		120°C	kW/m³	/	500
Electrical resistivity ρ		Ω m		9	6.5
Curie temperature Tc		°C		>230	>215
Density d		kg/m³		4.8x10³	4.8x10³