

for Power Applications*

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1 Introduction

Kawasaki Steel succeeded in manufacturing soft fer-

sintering conditions in terms of original adjusting methods of raw material properties and microstructure that determines the magnetic properties.

Analysis of the main causes of core losses at high fre-

	Temp. (°C)	MB4	MB3
Initial permeability μ_{iac}	23	2500 ± 25%	
Saturation flux density at 1200 A/m	23	520	510
B_{ms} (mT)	60	470	450
	100	400	390
	23	130	130
Remanence B_{rms} (mT)	60	88	90
	100	54	55
	23	12.7	14.3
Coercivity H (A/m)	60	9.0	10.2

