

# Material : MB28D

Initial permeability	$\mu_i$		23°C	2800 ± 25%
Saturation magnetic flux density at 1000A/m	$B_s$	(mT)	23°C	530
			100°C	440
Remanent flux density	$B_r$	(mT)	23°C	100
Coercive force	$H_c$	(A/m)	23°C	15
Core loss volume density 100kHz 200mT	$P_{cv}$	(kW/m <sup>3</sup> )	60°C	310
			80°C	400
			100°C	520
			120°C	620
Relative loss factor	100kHz	$\tan \delta / \mu_i$	( $\times 10^{-6}$ )	3.5
Curie temperature	$T_c$	(°C)		> 220
Electrical resistivity	$\rho$	( $\Omega$ -m)		8.0
Density	$d_s$	(kg/m <sup>3</sup> )		$4.85 \times 10^3$

Test core : Toroidal  
 OD = 25mm ID = 15mm TH = 5mm



