

DATA SHEET

M04A

Materials specification

2020/06/20



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中鋼集團

M04A SPECIFICATIONS

	CONDITIONS	VALUE	UNIT
μ_i	25°C; ≤ 10 kHz; 0.25mT	4000 \pm 25%	
Bs	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	480 345	mT
Br	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	71 65	mT
Hc	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	8 6.5	A/m
$\tan\delta / \mu_i$	10kHz, 25°C, <0.25mT 100kHz, 25°C, <0.25mT	<7 <25	$\times 10^{-6}$
α_F	10kHz, 0-20°C, <0.25mT 10kHz, 20-70°C, <0.25mT	-1~1 -1~1	$10^{-6}/^\circ\text{C}$
η_B	10kHz, 25°C, 1.5-3.0mT	<0.5	$10^{-6}/\text{mT}$
ρ	DC; 25°C	1	Ωm
Tc		≥ 190	$^\circ\text{C}$
Density		4900	kg/m^3



