

ITEM	Symbol	Unit	Measurtionsing Conditions		Material
			settings	Temp.	KM40Q
Initial permeability	μ_i			20°C	4000±25%
Saturation magnetic flux density	B_s	mT	H=1200A/m	20°C	460
				100°C	320
Remanent flux density	B_r	mT	H=1200A/m	20°C	110
				100°C	
Coercive force	H_c	A/m	H=1200A/m	20°C	12
				100°C	
Relative loss factor	$\tan \delta / \mu_i$	$\times 10^{-6}$			<7.0
Relative temperature factor	α_{μ}	$\times 10^{-6}$		-20~20°C	0~2.0
				20~60°C	-1.0~1.0
				60~100°C	-1.0~1.0
Disaccommodation factor	DF		1~10min		<3.0
Curie temperature	T_c	°C			>180
Electrical resistivity	ρ	$\Omega \cdot m$			3
Density	ds	g/cm^3			4.8

