Material Characteristics (20)

	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Materials		
			Freq.	Flux den.	Temp.	H3A	H3B	H4
Initial Permeability	μ_i		≤10kHz	0.25mT	25°C	125 ± 25%	150 ± 25%	300 ± 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	320	330	330
					100°C	260	270	240
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	235	245	205
					100°C	175	185	130
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	80	90	55
					100°C	50	60	35
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	1MHz		25°C	110	70	35
Temperature Factor of Permeability	α_F	10^{-6}/°C			20 ~ 80°C	110	60	100
Curie Temperature	Tc	°C				≥ 230	≥ 220	≥ 160
Resistivity	ρ	Ωm				$> 10^6$	$> 10^6$	$> 10^6$
Density	d	g/cm^3				4.60	4.80	4.80

Note: Material characteristics are typical for a toroid core.
Product specification will differ from these data due to the influence of geometry and size.