

	Symbol	Unit	Measuring Conditions			For Rod Core Antenna Material
			Freq.	Flux den.	Temp.	H5R
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	200 $\pm$ 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	400
					100°C	330
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	290
					100°C	210
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	55
					100°C	35
Relative Loss Factor	$\tan\delta/\mu_i$	10 ⁻⁶	1MHz		25°C	40
Temperature Factor of Permeability	α_μ	10 ⁻⁶ /°C			20 ~ 80°C	25
Curie Temperature	Tc	°C				≥ 240
Resistivity	ρ	Ωm				$> 10^6$
Density	d	g/cm ³				5.10

Note: Material characteristics are typical for a toroid core.

Product specification will differ from these data due to the influence of geometry and size.

