

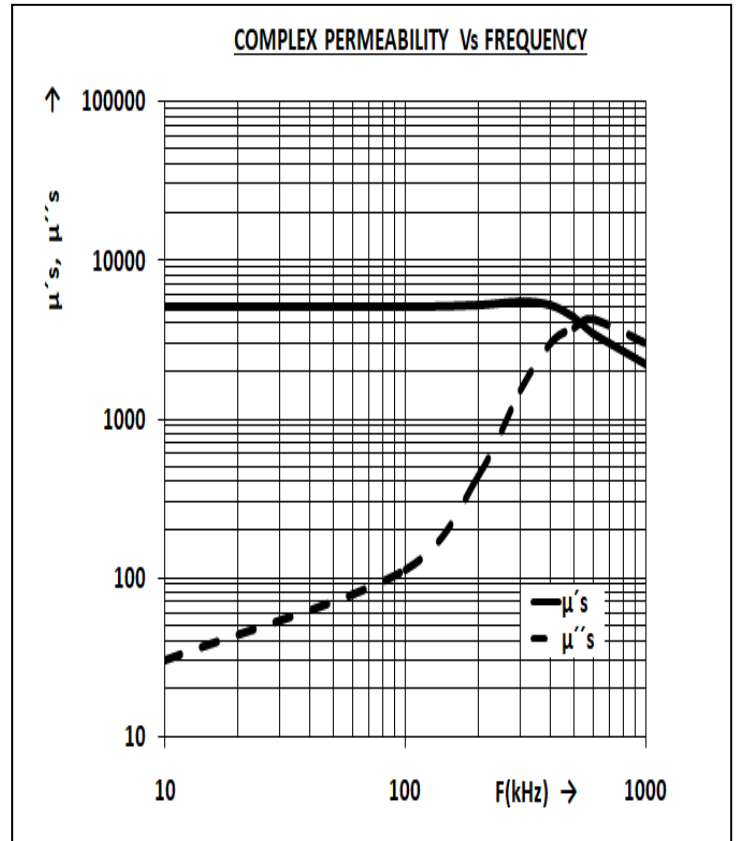
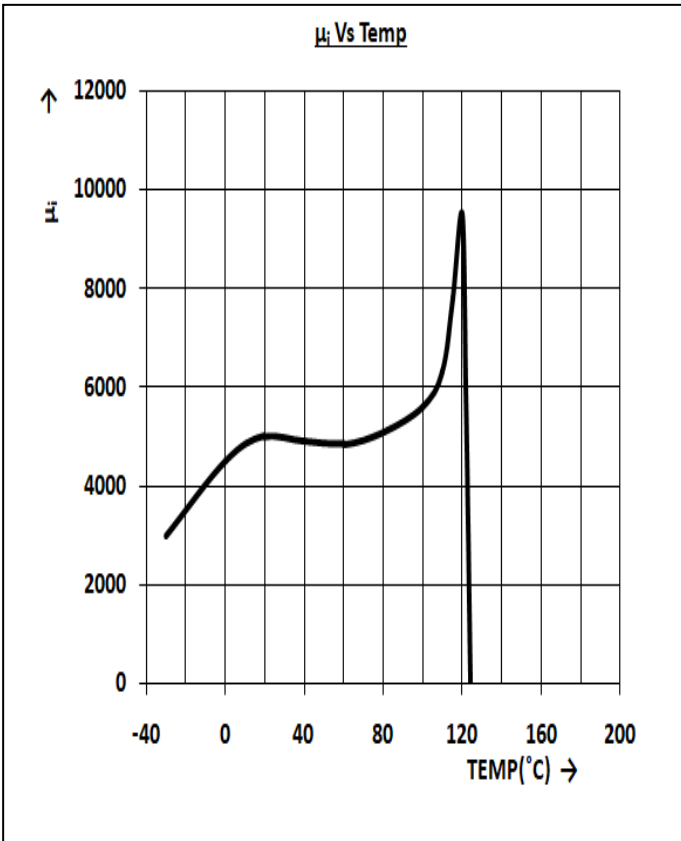
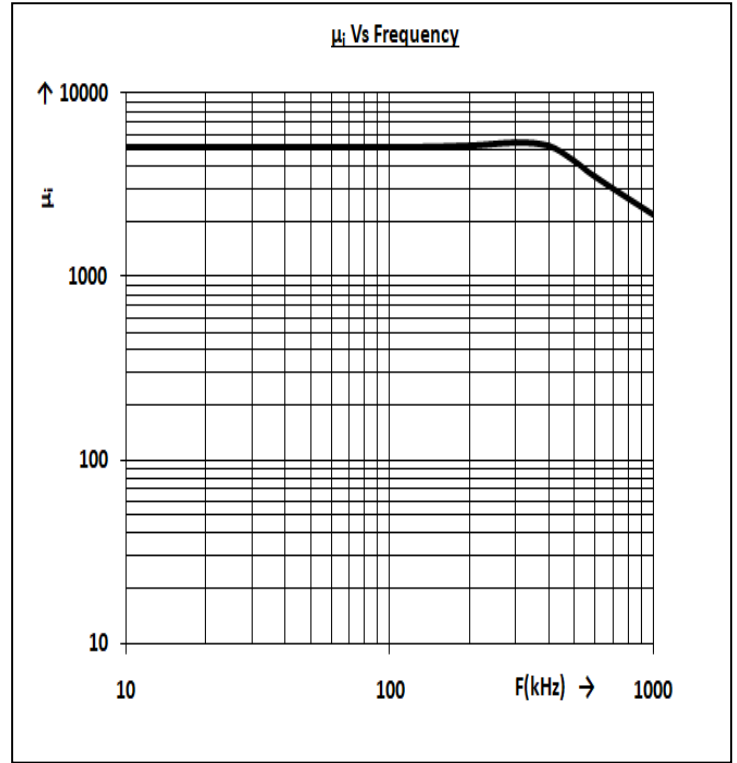
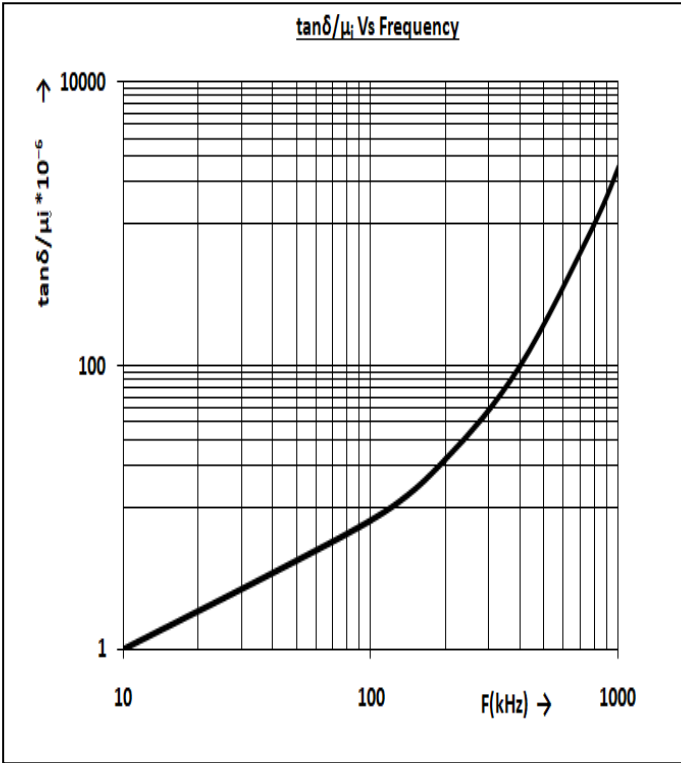


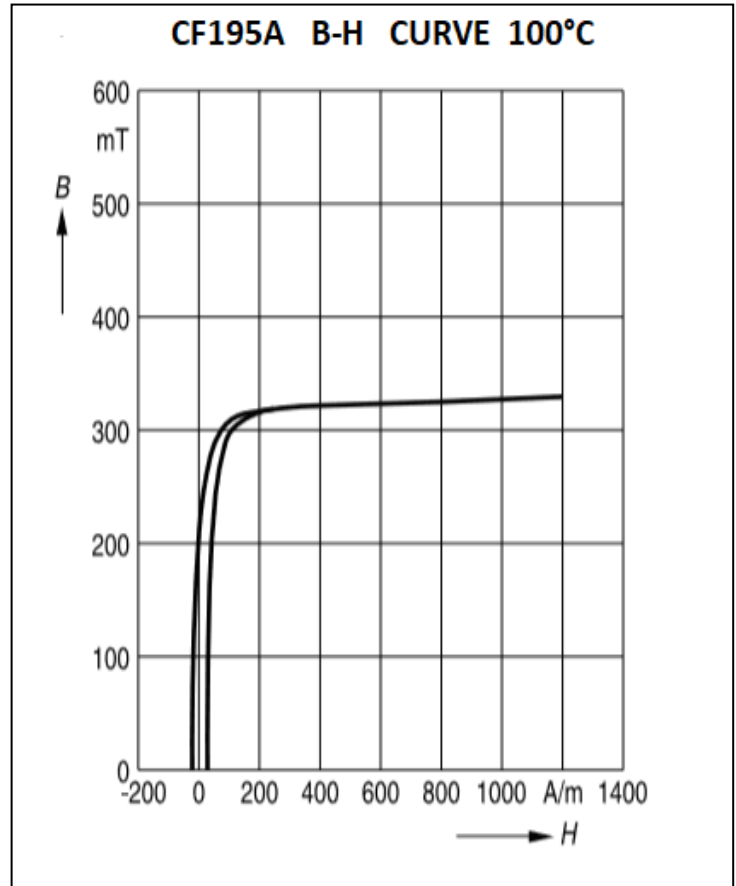
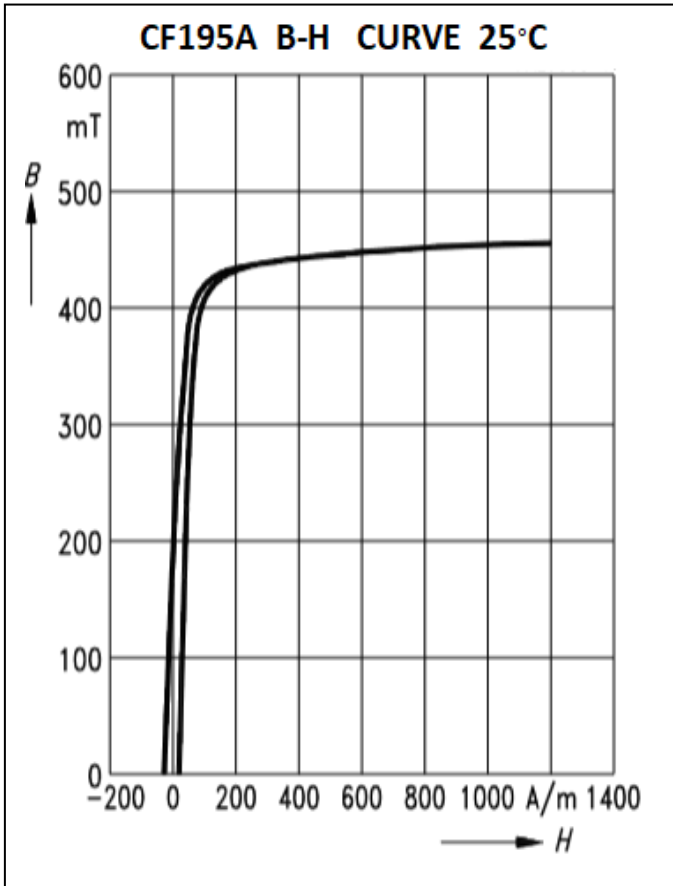
<b>Application</b>	Broadband Transformers
<b>Material</b>	Mn-Zn

Material Properties	Conditions	Symbol	Value	Unit
<b>Initial Permeability</b>	25°C, 10kHz, ≤ 0.25mT	$\mu_i$	5000 ±20%	
<b>Flux Density</b>	25°C; 10kHz; 1200A/m	$B_s$	460	mT
	100°C; 10kHz; 1200A/m	$B_s$	320	mT
<b>Coercive Field Strength</b>	25°C; 10kHz	$H_c$	12	A/m
	100°C; 10kHz	$H_c$	11	A/m
<b>Hysteresis Material Constant</b>	25°C;	$\eta_B$	< 1.1	$10^{-6}$ mT
<b>Curie Temperature</b>	10kHz; ≤0.25mT	$T_c$	> 120	°C
<b>Density</b>	25°C	$\rho$	$4.8 \times 10^3$	kg/m <sup>3</sup>
<b>Resistivity</b>	25°C	$\rho_{DC}$	0.3	$\Omega$ m
<b>Relative Core Loss Factor</b>	25°C; 10 kHz, 0.25mT	$\tan \delta/\mu_i$	≤ 1.5	$*10^{-6}$
	25°C; 200 kHz, 0.25mT	$\tan \delta/\mu_i$	≤ 25.0	$*10^{-6}$

Date: 20 May 2018

\*Material data specified here have been derived from measurement on toroid core T2512





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