MATERIAL DATA SHEET

Material Specification : CF191

SEMIC TRADE

Semic Trade, s.r.o., Volutová 2521/18, 158 00 Praha 5
Telephone: +420 251 625 331, 251 625 332, 251 625 377
GSM: +420 605 999 994 Fax:+420 251 626 252, 251 626 393

www.semic.cz
semic@semic.cz

Material Specifications CF191

Application	Broadband Transformers
Material	Mn-Zn

Material Properties	Conditions	Symbol	Value	Unit
Initial Permeability	25°C,10kHz,≤ 0.25mT	μ_i	4300 ±20%	
Flux Density	25°C;10kHz;1200A/m	B_S	380	mT
	100°C;10kHz;1200A/m	B_S	240	mT
Coercive Field Strength	25°C;10kHz	H_C	12	A/m
	100°C;10kHz	H_C	8	A/m
Hysteresis Material Constant	25°C;	η_B	<1.1	10^{-6}mT
Curie Temperature	10kHz;≤0.25mT	T_C	> 140	°C
Density	25°C	ρ	4.8 ×10³	kg/m³
Resistivity	25°C	ρDC	0.5	Ωm
Relative Core Loss Factor	25°C; 10 kHz	$\tan \delta/\mu_i$	≤ 2	$*10^{-6}$
	25°C; 400 kHz	$\tan \delta/\mu_i$	≤ 60	$*10^{-6}$

Date: 30 July 2018

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

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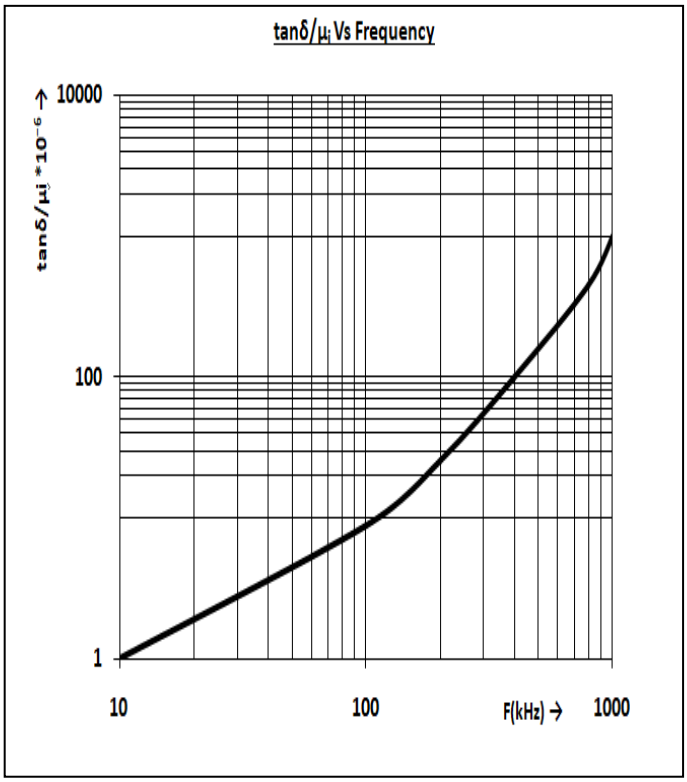

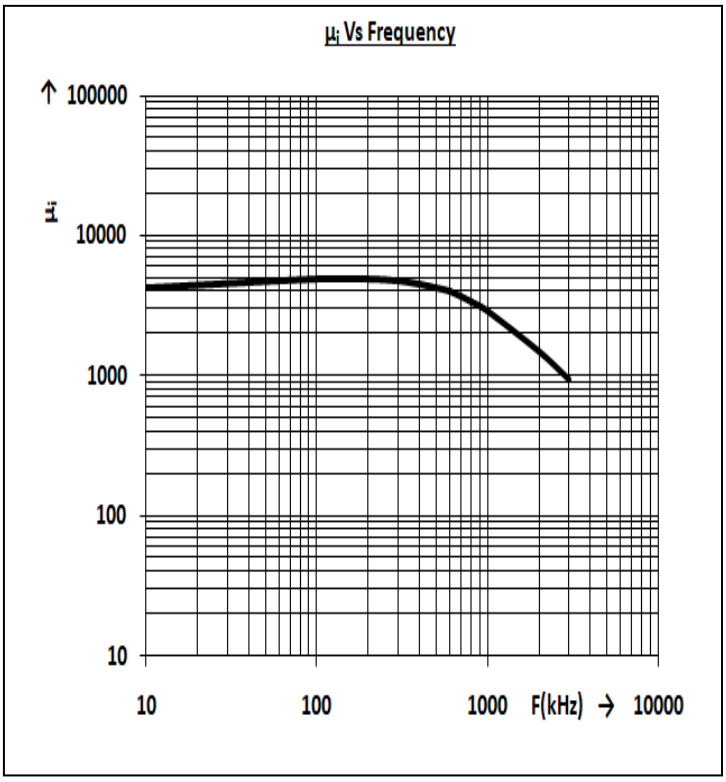

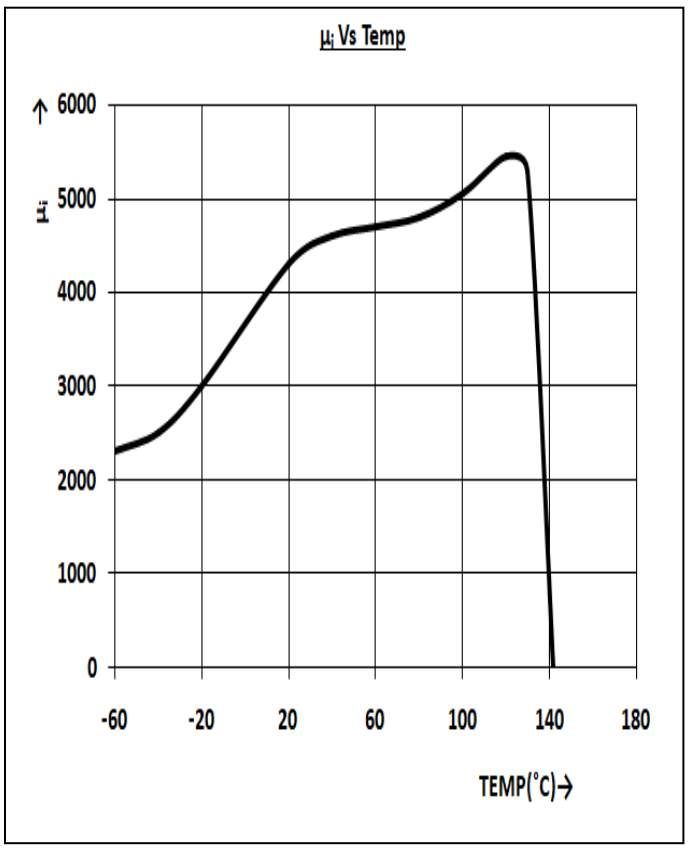

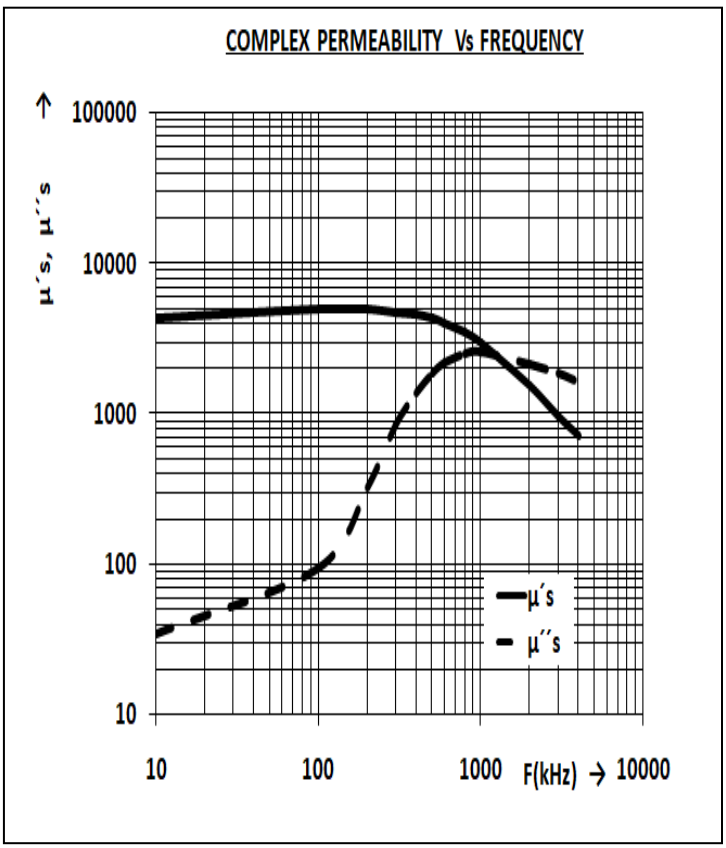

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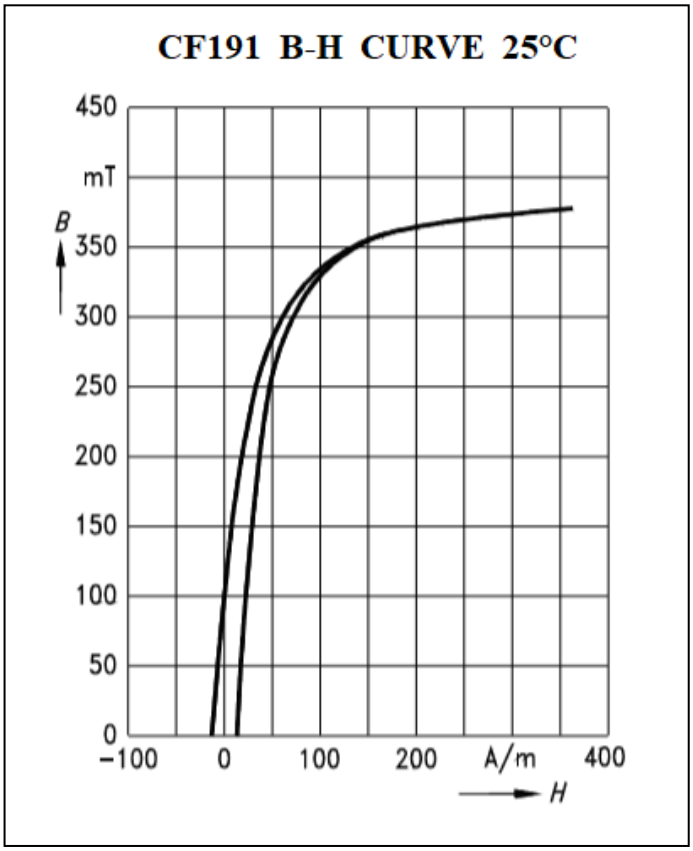

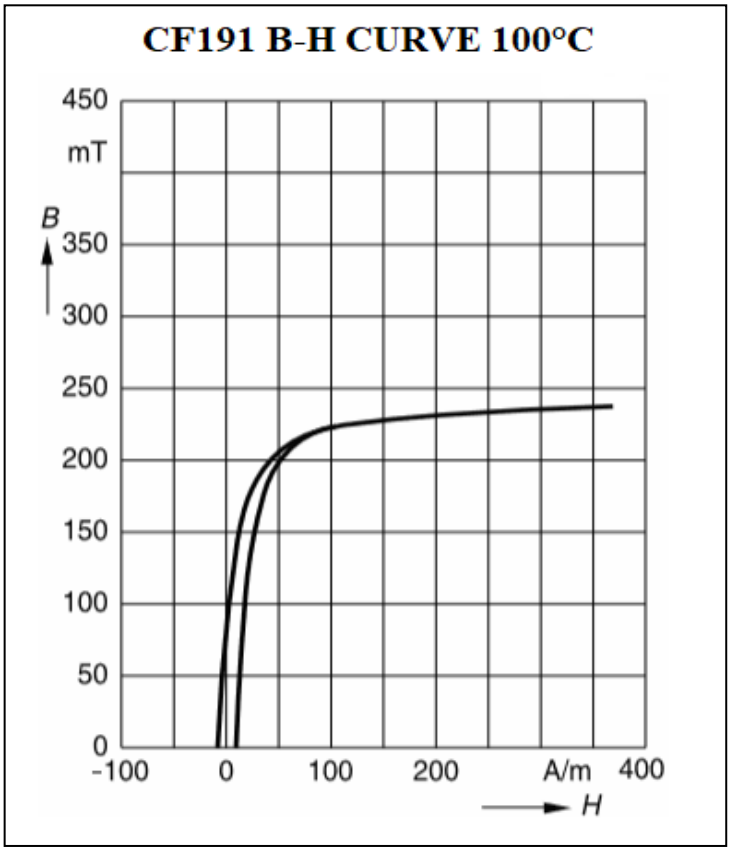

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