

## MnZn Power Ferrite Material

### Material Characteristics

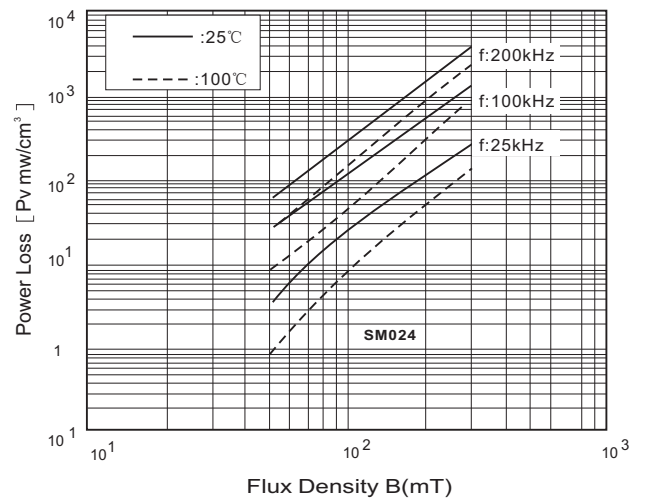
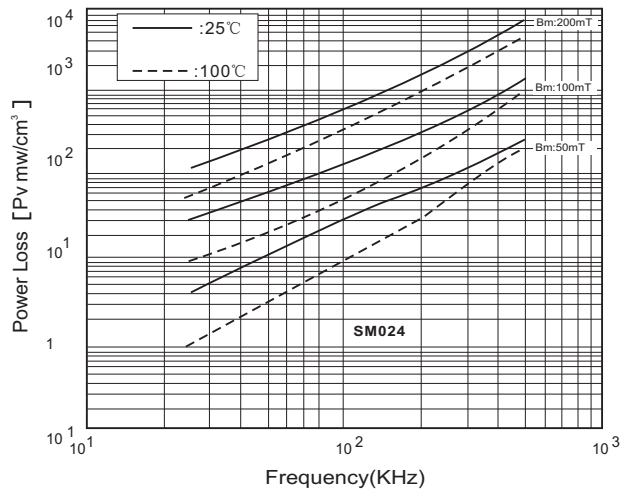
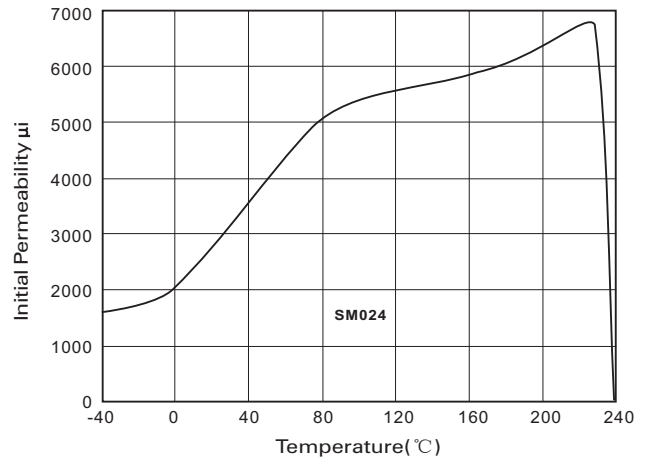
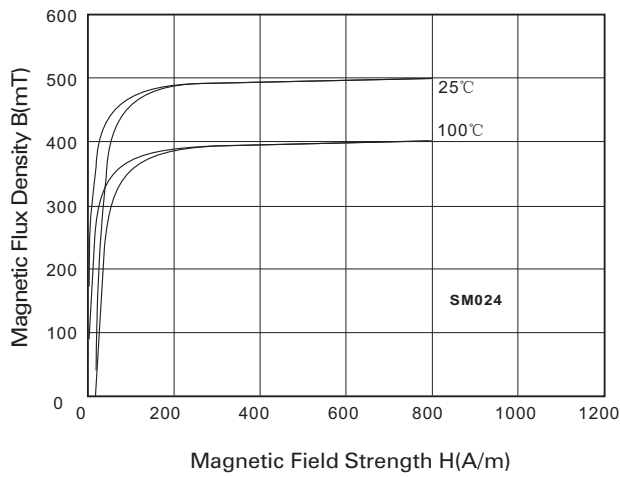
Material name			Manganese Zinc Ferrite
Material grade			SM024
Initial Permeability	$\mu_i$		2400 $\pm$ 25%
Saturation Flux Density (Bs) (H = 1194 A/m)	25°C 100°C	mT	510 400
Residual Flux Density (Br)	25°C 100°C	mT	130 60
Coercive Force (Hc)	25°C 100°C	A/m	15 6
Power Loss (Pv) <i>Tested 100kHz, 200mT</i>	25°C 60°C 100°C 120°C	kW/m <sup>3</sup>	600 400 300 380
Curie Temperature (Tc)		°C	>215
Electrical Resistivity		$\Omega$ .m	2.0
Density		g/cm <sup>3</sup>	4.9

Dare is derived from measurements on a ring core of T25x15x8.





## SM024 Performance graphs





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