

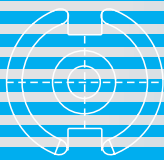
MnZn Telecom Ferrite Material

Material Characteristics

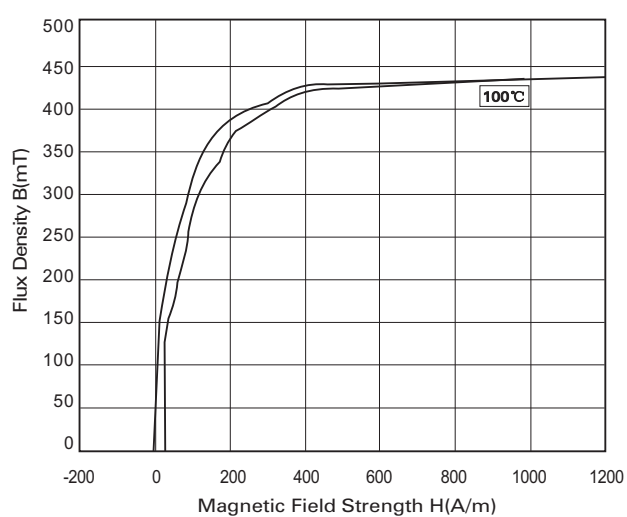
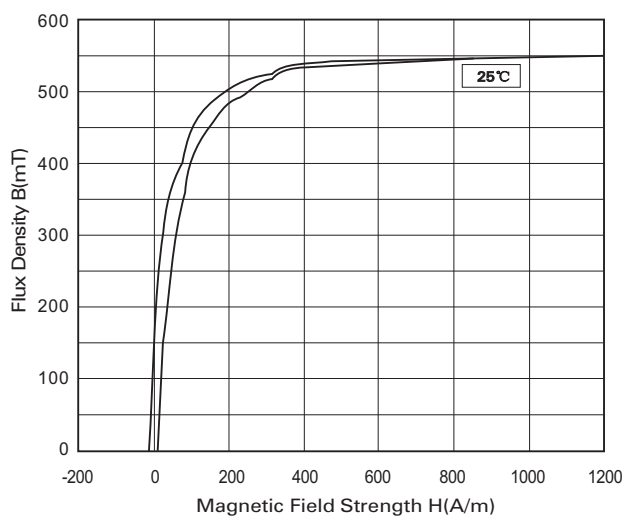
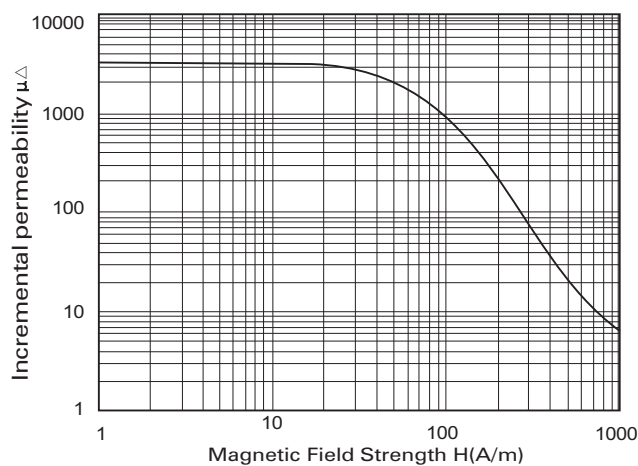
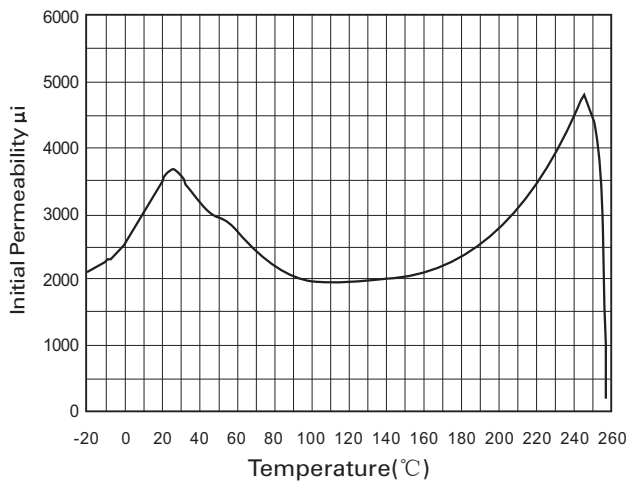
Material name			Manganese Zinc Ferrite
Material grade			SM038
Initial Permeability	25°C	μ_i	3800±25%
Saturation Flux Density (Bs) (H = 1194 A/m)	25°C 100°C	mT	550 435
Coercive Force (Hc)	25°C 100°C	A/m	12 15
Relative Loss Factor	10KHz 100KHz	10^{-6}	≈ 1 ≈ 2
Relative Temperature Coeff	5°C ~ 25°C 26°C ~ 55°C	10^{-6}	≈ 4.44 ≈ 2.22
Curie Temperature (Tc)		°C	≥ 215
Hysteresis material constant	10KHz 1.5 ~ 3mT	$10^{-6}/mT$	< 0.3
Density		g/cm ³	4.85

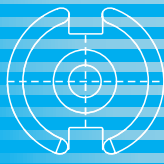
Dare is derived from measurements on a ring core of T25x15x8





SM038 Performance graphs





SM038 Performance graphs

