

MnZn Power Ferrite Material

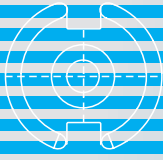
Material Characteristics

Material name			Manganese Zinc Ferrite
Material grade			SM047
Initial Permeability	f= 10kHz B<0.25mT	μi	2500 ±25%
Saturation Flux Density (Bs) (H = 1194 A/m)	25°C 100°C 120°C	mT	530 420 390
Residual Flux Density (Br)	25°C 100°C 120°C	mT	180 70 65
Coercive Force (Hc)	25°C 100°C 120°C	A/m	12 8 5
Power Loss (Pv) <i>Tested 100KHz, 200mT</i>	25°C 60°C 100°C 120°C	kW/m ³	600 400 250 400
Curie Temperature (Tc)		°C	>230
Density		g/cm ³	4.8

Dare is derived from measurements on a ring core of T25x15x8

A lower loss and higher saturation flux density power material than SM024 for use in power transformers and inverters.





Performance graphs SM047

