



Material Specifications

CF292A

Type	MnZn ferrite suitable for use in low-loss and high Bsat power inductors at frequencies up to 400 kHz			
Material Properties	Conditions	Symbol	Value	Unit
Initial Permeability	25°C, 10kHz, ≤ 0.25mT	$\mu_i$	2000 ±25%	
Saturation Flux Density	25°C, 10 kHz, 1200A/m	$B_s$	530	mT
	100°C, 10 kHz 1200A/m	$B_s$	440	mT
Remnance	25°C, 10 kHz	$B_r$	175	mT
Coercivity	25°C	$H_c$	15	A/m
Power loss	100°C, 100kHz, 100mT	$P_v$	≤50	kw/m <sup>3</sup>
	100°C, 100kHz, 200mT		≤330	
	100°C, 500kHz, 50mT		≤220	
Curie Temperature		$T_c$	>250	°C
Electrical resistivity		$\rho$	6	Ω-m
Density	25°C	$d$	$4.8 \times 10^3$	kg/m <sup>3</sup>

Data specified here based on the test results of toroids (od. x id. x ht.) 25mmx15mmx12mm

