

F63

Material Specification

Material Type : Manganese-Zinc Ferrite
 Properties : Low temperature coefficient
 High Saturation
 Improved Permeability
 Frequency range : upto 500 KHz
 Cores Types : ETD, PQ, E cores

SI No	Parameter	Conditions	Unit	F63
1	Initial Permeability	25 °C, 10 KHz, 0.1 mT		3000 +/- 25 %
2	Saturation Flux Density	25 °C 10KHz, 796 A/m	mT	500
		100 °C 10KHz, 796 A/m	mT	400
3	Remanent Flux density	10 KHz 25 °C	mT	
4	Coercivity	10 KHz 25 °C	A/m	
5	Amplitude Permeability	400 mT 25 °C		2500
6	Loss Factor	100 KHz	x10 ⁻⁶	
7	Power loss	25 °C, 25 KHz, 200 mT	KW/m ³	150
		100 °C, 100 KHz, 100 mT		120
		25 °C, 100 KHz, 200 mT		450
		100 °C, 100 KHz, 200 mT		340
		100 °C 400 KHz, 50 mT		170
8	Resistivity	DC, 25 °C	Ohm/m	2
9	Curie temperature	10 KHz, 0.1 mT	°C	>230
10	Sintered Density		Kg/m ³	4900

