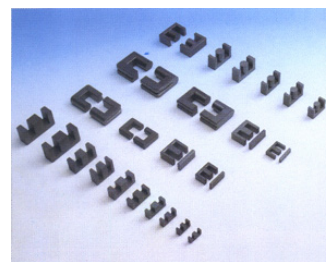


Soft Ferrite Core

Mnzn Core

Ferrite cores used for audio and video electronics and switching power supplies-with excellent properties such as high saturation magnetic flux density,super low power loss and etc.a kind of product with output over whelms other kinds in the corporation.

Material Characteristic of soft Mnzn ferrite



Characteristic	Symbol	Unit\Material	R2KD	R2KBD	R2KB1	R1.8KB	R1.4K		
Initial permeability	μ_i			2500 \pm 25%	2300 \pm 25%	1800 \pm 25%	1400 \pm 25%		
Effective saturation magnetic flux density	Bs	mT	480 (800A/m)	510 (1194A/m)	510 (1194A/m)	510 (1194A/m)	485 (1600A/m)		
Effective retentivity	Br	mT	120	117	95	170	190		
Effective coercivity	Hc	A/m	16	12	14.3	16	35		
Core Less	Pc	KW/m ³	16kHz150mT	25 $^{\circ}$ C	\leq 12*				
				60 $^{\circ}$ C	\leq 11*				
				100 $^{\circ}$ C	\leq 12*			4.2*	
			25kHz200mT	25 $^{\circ}$ C		130	120		
				60 $^{\circ}$ C		90	80		
				100 $^{\circ}$ C		100	70		
			100kHz200mT	25 $^{\circ}$ C		700	600		
				60 $^{\circ}$ C		500	450		
				100 $^{\circ}$ C		600	410	110*	
			500kHz50mT	25 $^{\circ}$ C					130
				60 $^{\circ}$ C					80
				100 $^{\circ}$ C					80
Curie temperature	Tc	$^{\circ}$ C	>200	>230	>215	>240	>240		
Electrical resistivity	ρ	$\Omega \cdot m$	1	10	6.5	3			
Density	d	Kg/m ³	4.8	4.8	4.8	4.8	4.8		

Ferrite cores used for traditional analog communication and modern digital communication featuring stable properties and high liability.

Material Characteristic of High permeability Mnzn ferrite material



Characteristic	Symbol	Unit	R5K	R7K	R10K	R13K
Initial permeability	μ_i	—	5500 \pm 25%	7000 \pm 25%	10000 \pm 25%	13000 \pm 25%
Relative loss factor	$\text{tg}\delta/\mu_i$	$\times 10^{-6}$	≤ 15 (100kHz)	≤ 7 (10kHz)	≤ 7 (10kHz)	≤ 7 (10kHz)
Effective saturation magnetic flux density	Bs	mT	420(800A/m)	400(800A/m)	400(1194A/m)	360(1194A/m)
Effective retentivity	Br	mT	150	90	90	100
Effective coercivity	HcB	A/m	8	10.4	7.2	4.4
Temperature Factor of permeability		$\times 10^{-6}$	0~1.5	0~2	-0.5~1.5	-0.5~1.5
		°C	20~60	20~55	20~70	20~70
Disaccommodation Factor	DF	$\times 10^{-6}$	≤ 3	≤ 3	≤ 2	≤ 2
Curie Temperature	Tc	°C	>140	>125	>120	>110
Resistivity	ρ	$\Omega \cdot \text{m}$	0.3	0.3	0.15	0.15
Density	d	g/m^3	4.9	4.9	4.9	4.9

Ferrite cores used for EMI suppression featuring wide frequency band and high impedance a kind of electronic components which can not be absent in the field related to electromagnetic compatibility.

Ferrite cores used for SMT featuring light weight,small size and low mounting height a kind of ferrite cores having boundless prospects.