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Characteristics of MnZn Ferrite Materials

Our company holds ISO14001, ISO90001, IATF16949, QC080000 certificates.



Material	initial permeability [μ]	Core loss volume density (Pcv)	Core loss volume density (Pcv)	Saturation magnetic flux density (Bs)	Saturation magnetic flux density (Bs)	Remanence (Br)	Remanence (Br)	Coercivity (Hc)	Coercivity (Hc)	Electrical resistivity (P)	Curie Temperature (Tc)	Density(d)	Relative temperature coefficient of initial permeability at -40°C-100°C	Relative temperature coefficient of initial permeability at 20°C-60°C	Relative loss factor at 100kHz tanδ/0i	Relative temperature coefficient of initial permeability
Unit / condition	10KHz	[kW/m ³] B=200mT f=100kHz	[kW/m ³] B=200mT f=100kHz	[mT] H=1000A/m	[mT] H=1000A/m	[mT]	[mT]	[A/m]	[A/m]	[Ω·m]	[°C]	[Kg/m ³]	[x10 ⁶ /°C]	[x10 ⁶ /°C]	[x10 ⁶]	[Kg/m ³]
	25°C	25°C	100°C	25°C	100°C	25°C	100°C	25°C	100°C	/	/	/	-40°C-100°C	20°C-60°C	/	/
MnZn High Permeability Ferrite Material																
YX-5500	5500+/-25%	/	/	410	/	70	/	6	/	1	150	4.8	/	-0.5-2.0	<10	<3
YX-7000	7000+/-25%	/	/	410	/	80	/	6	/	0.3	130	4.8	/	-0.5-2.0	<20	<2.5
YX-10000	10000+/-25%	/	/	380	/	110	/	6	/	0.2	120	4.9	/	-0.5-2.0	<30	<2
YX12000	12000+/-25%	/	/	380	/	110	/	5	/	0.15	110	4.95	/	1.0-2.0	<7(10kHz)	<2
YX15000	15000+/-25%	/	/	380	/	110	/	5	/	0.15	110	4.95	/	0.5-2.0	<7(10kHz)	<2
MnZn High Saturation Magnetic Flux Density, Low Core Loss , High DC-Bias , Low Temperature Coefficient Ferrite Material																
YX-3000	3000+25%	350	290	540	430	90	60	8	6	2	≥170	4.9*10 ³	-0.5-1.0	-0.5-1.0	<3	/
YX-3800	3800+25%	350	290	510	410	160	60	7	6	2	≥245	4.9*10 ³	-0.5-1.0	-0.5-1.0	<1.5	/
YX-4500	4500+25%	350	290	460	380	90	60	8	6	2	≥150	4.9*10 ³	-0.5-1.0	-0.5-1.0	<1.5	/
MnZn Power Ferrite material Characteristics																
YX-1400	1400+25%	1000	600	520	430	220	100	23	14	2.5	≥285	4.8*10 ³	/			
YX-2300	2300+25%	650	410	510	390	110	55	14	10	6	≥215	4.8*10 ³				
YX-2500	2500+25%	760	650	510	390	110	60	12	10	6	≥215	4.8*10 ³				
① Further qualities or grade on low thermal coefficient magnets, please contact us for more details. ② The value of materials's characteristics are typical value. Please contact YX MAGNETIC SA for further information in your order or agreement .																

A SWISS COMPANY SPECIALIZED IN DESIGN,
PRODUCTION AND DISTRIBUTION OF PERMANENT MAGNETS AND PRECISION ASSEMBLIES
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