FERROXCUBE

Power Conversion Materials

Low Frequency

Material	μi at 25 °C	Bsat (mT) at 25 °C (1200 A/m)	Tc (°C)	p (Ωm)	Ferrite type	Remark
3C90	2300	≈ 470	≥ 220	≈ 5	MnZn	min. loss @100 °C
3C94	2300	≈ 470	≥ 220	≈ 5	MnZn	min. loss @100 °C
3C96	2000	≈ 500	≥ 240	≈ 5	MnZn	min. loss @100 °C
3C98	2500	≈ 530	≥ 230	≈ 5	MnZn	min. loss @100 °C
3C91	3000	≈ 470	≥ 220	≈ 5	MnZn	min. loss @60 °C
3C93	1800	≈ 520	≥ 240	≈ 5	MnZn	min. loss @140 °C
3C95	3000	≈ 530	≥ 215	≈ 5	MnZn	Flat loss @25-100 °C
3C97	3000	≈ 530	≥ 215	≈ 5	MnZn	Flat loss @60-140 °C
3C92	1500	≈ 540	≥ 280	≈ 5	MnZn	High B_{sat}
3R1	800	≈ 410	≥ 230	≈ 103	MnZn	Square B-H loop

High Frequency

Material	μi at 25 °C	Bsat (mT) at 25 °C (1200 A/m)	Tc (°C)	p (Ωm)	Ferrite type	Remark
4F1	80	≈ 320	≥ 260	≈ 105	NiZn	freq. < 15 MHz
3F3	2000	≈ 440	≥ 200	≈ 2	MnZn	optimal frequency ≤ 400 kHz
3F31	1800	≈ 520	≥ 230	≈ 8	MnZn	optimal frequency ≤ 400 kHz
3F35	1400	≈ 500	≥ 240	≈ 10	MnZn	optimal frequency < 600 kHz
3F36	1600	≈ 520	≥ 230	≈ 12	MnZn	optimal frequency < 600 kHz, flat power loss 25-100 °C
3F4	900	≈ 410	≥ 220	≈ 10	MnZn	optimal frequency < 2 MHz
3F45	900	≈ 420	≥ 300	≈ 10	MnZn	optimal frequency < 3 MHz
3F5	650	≈ 380	≥ 300	≈ 10	MnZn	optimal frequency < 5 MHz

About Dexter

Dexter Magnetic Technologies was founded as Permag Corporation in 1951 as the FIRST global magnetic materials distributor.

Since then, Dexter Magnetic Technologies has become your essential magnetic partner. The company's growing supply chain offers the most diverse offerings of current magnetic materials. Our experienced engineers and support staff can help you choose the correct "off-the-shelf" components, or assist in a custom, cost effective solution to your needs.