MAIN APPLICATION AREA	FREQUENCY RANGE (MHZ)	MATERIAL	μ_i at 25 °C	B_{sat} (mT) at 25 °C (1200 A/m)	T_C (°C)	ρ (Ωm)	FERRITE TYPE	AVAILABLE CORE SHAPES
Telecom filters Proximity sensors		3B46	3800	≈ 545	≥ 255	≈ 10	MnZn	RM, P, PT, PTS, EP, E, Planar ER, RM/I, RM/ILP, PH
	< 0.1	3B7	2300	≈ 440	≥ 170	≈ 1	MnZn	
	0.2 – 2	3D3	750	≈ 380	≥ 200	≈ 2	MnZn	
	< 0.2	3H3	2000	≈ 360	≥ 160	≈ 2	MnZn	
Wideband signal transformers Pulse transformers Delay lines		3E27	6000	≈ 430	≥ 150	≈ 0.5	MnZn	RM, P, PT, PTS, EP, EP/LP, EPX, E, Planar ER, RM/I, RM/ILP, Toroids
		3E28	4000	≈ 440	≥ 145	≈ 1	MnZn	
		3E5	10000	≈ 380	≥ 125	≈ 0.5	MnZn	
		3E55	10000	≈ 370	≥ 100	≈ 0.1	MnZn	
		3E6	12000	≈ 390	≥ 130	≈ 0.1	MnZn	
		3E7	15000	≈ 390	≥ 130	≈ 0.1	MnZn	Toroids
		3E8	18000	≈ 380	≥ 100	≈ 0.1	MnZn	
		3E9	20000	≈ 380	≥ 100	≈ 0.1	MnZn	
Line output transformers (LOT)	< 0.2	3C30	2100	≈ 500	≥ 240	≈ 2	MnZn	UR
	< 0.3	3C34	2100	≈ 500	≥ 240	≈ 5	MnZn	
Power transformers Power inductors General purpose transformers and inductors	< 0.2	3C81	2700	≈ 450	≥ 210	≈ 1	MnZn	E, EI, Planar E, EC, EFD, EP, ETD, ER, Planar ER, U, RM/I, RM/ILP, P, P/I, PT, PTS, PM, PQ, Toroids (gapped), Bobbin cores
	< 0.2	3C90	2300	≈ 470	≥ 220	≈ 5	MnZn	
	< 0.3	3C91	3000	≈ 470	≥ 220	≈ 5	MnZn	
	< 0.2	3C92	1500	≈ 520	≥ 280	≈ 5	MnZn	
	< 0.3	3C93	1800	≈ 500	≥ 240	≈ 5	MnZn	
	< 0.3	3C94	2300	≈ 470	≥ 220	≈ 5	MnZn	
	< 0.3	3C95	3000	≈ 530	≥ 215	≈ 5	MnZn	
	< 0.4	3C96	2000	≈ 500	≥ 240	≈ 5	MnZn	
	0.2 – 0.5	3F3	2000	≈ 440	≥ 200	≈ 2	MnZn	
	0.5 – 1	3F35	1400	≈ 500	≥ 240	≈ 10	MnZn	
	1 – 2	3F4	900	≈ 410	≥ 220	≈ 10	MnZn	
	1 – 2	3F45	900	≈ 420	≥ 300	≈ 10	MnZn	
	2 – 4	3F5	650	≈ 380	≥ 300	≈ 10	MnZn	
	4 – 10	4F1	80	≈ 320[1]	≥ 260	≈ 10^5	NiZn	
Wideband EMI-suppression Wideband transformers Balun transformers	10 – 100	3B1	900	≈ 380	≥ 150	≈ 0.2	MnZn	BD, BDW, BDS, MLS, CMS, Cable shields, Rods, Toroids, WBS, WBC
	1 – 30	3S1	4000	≈ 400	≥ 125	≈ 1	MnZn	
	30 – 1000	3S3	350	≈ 320	≥ 225	≈ 10^4	MnZn	
	10 – 300	3S4	1700	≈ 320	≥ 110	≈ 10^3	MnZn	
	1 – 30	3S5	3800	≈ 545	≥ 255	≈ 10	MnZn	
	30 – 1000	4A11	850	≈ 340	≥ 125	≈ 10^5	NiZn	
	10 – 300	4A15	1200	≈ 350	≥ 125	≈ 10^5	NiZn	
	10 – 300	4A20	2000	≈ 260	≥ 100	≈ 10^5	NiZn	
	30 – 1000	4B1	250	≈ 360[1]	≥ 250	≈ 10^5	NiZn	
	50 – 1000	4C65	125	≈ 380[1]	≥ 350	≈ 10^5	NiZn	
	30 – 1000	4S2	850	≈ 340	≥ 125	≈ 10^5	NiZn	
	30 – 1000	4S3	250	≈ 360[1]	≥ 250	≈ 10^5	NiZn	

MAIN APPLICATION AREA	FREQUENCY RANGE (MHZ)	MATERIAL	μ_i at 25 °C	B_{sat} (mT) at 25 °C (1200 A/m)	T_C (°C)	ρ (Ωm)	FERRITE TYPE	AVAILABLE CORE SHAPES
EMI-filters Current compensated chokes		3C11	4300	≈ 390	≥ 125	≈ 1	MnZn	Toroids E, EI, U
		3E25	6000	≈ 390	≥ 125	≈ 0.5	MnZn	
		3E26	7000	≈ 430	≥ 155	≈ 0.5	MnZn	
		3E5	10000	≈ 380	≥ 125	≈ 0.5	MnZn	
		3E6	12000	≈ 390	≥ 130	≈ 0.1	MnZn	
		4A11	850	≈ 340	≥ 125	≈ 10^5	NiZn	
HF Tuning	< 1	3B1	900	≈ 380	≥ 150	≈ 0.2	MnZn	Rods, Tubes, Wideband chokes
	< 2	3D3	750	≈ 380	≥ 200	≈ 2	MnZn	
	< 5	4B1	250	≈ 360[1]	≥ 250	≈ 10^5	NiZn	
	< 5	4B2	250	≈ 360[1]	≥ 335	≈ 10^5	NiZn	
	< 20	4C65	125	≈ 380[1]	≥ 350	≈ 10^5	NiZn	
	< 50	4D2	60	≈ 250[2]	≥ 400	≈ 10^5	NiZn	
	< 200	4E1	15	≈ 220[3]	≥ 500	≈ 10^5	NiZn	
magnetic regulators	< 0.2	3R1	800	≈ 410	≥ 230	≈ 10^3	MnZn	Toroids
absorber tiles	< 1000	4S60	2000	≈ 260	≥ 100	≈ 10^5	NiZn	Tiles
scientific particle accelerators	< 10	4B3	300	≈ 420[1]	≥ 250	≈ 10^5	NiZn	Large toroids Machined ferrite products
	< 100	4E2	25	≈ 350[2]	≥ 400	≈ 10^5	NiZn	
	< 10	4M2	140	≈ 310[1]	≥ 200	≈ 10^5	NiZn	
	< 1	8C11	1200	≈ 310	≥ 125	≈ 10^5	NiZn	
	< 10	8C12	900	≈ 260	≥ 125	≈ 10^5	NiZn	