



VITROPERM 500 F - NANOCRYSTALLINE TAPE-WOUND CORES FOR COMMON MODE CHOKES – EPOXY COATED – VF SERIES

Material data VITROPERM 500F

Material	Fe-based nanocrystalline
Saturation Induction:	1.2 T
Initial permeability μ_i (10 kHz)	~ 15 000 ... ~ 80 000
Coercivity H_c	< 3 A/m
Max. operating temperature	105°C (120°C)

Core informations

Below listed tape-wound cores are epoxy coated (UL 94 V-0, E214934), achieving smallest outer dimensions and much winding space. For enhanced isolation requirements we recommend additional isolation between core and windings. Cores in plastic protection boxes are listed on our web-page www.vacuumschmelze.com.

part number	Core dimensions	Limit dimensions			Effective	Mean path	A_L	A_L
	Od x Id x h	(incl. case)			cross section	length	at 10 kHz	at 100 kHz
	mm x mm x mm	OD	ID	H	A_{Fe}	l_{Fe}	nominal	nominal
		mm	mm	mm	cm ²	cm	µH	µH
T60004-L2016-W619	16 x 12.5 x 6	17.8	10.7	8	0.08	4.48	6	3.9
T60004-L2016-W620	16 x 12.5 x 6	17.8	10.7	8	0.08	4.48	15	4.8
T60004-L2022-W867	22 x 17 x 6	24	15.2	8	0.12	6.1	16.4	4.3
T60004-L2022-W868	22 x 17 x 10	24	15.2	12.3	0.2	6.1	27.4	7.1
T60004-L2025-W621	25 x 20 x 10	27.3	17.5	12.3	0.19	7.1	9	5.8
T60004-L2025-W622	25 x 20 x 10	27.3	17.5	12.3	0.19	7.1	22.5	7.2
T60004-L2030-W483	30 x 20 x 10	32.5	17.8	12.5	0.4	7.85	18.8	-
T60004-L2030-W911	30 x 20 x 10	32.5	17.8	12.5	0.4	7.85	56	13.4
T60004-L2030-W675	30 x 25 x 15	32.3	22.7	17.5	0.27	8.64	6.8	5.1
T60004-L2030-W676	30 x 25 x 15	32.3	22.7	17.5	0.27	8.64	26.5	8.5
T60004-L2040-W623	40 x 32 x 15	42.3	29.1	17.8	0.438	11.3	13	8.4
T60004-L2040-W624	40 x 32 x 15	42.3	29.1	17.8	0.438	11.3	32.5	10.3
T60004-L2045-W886	45 x 32 x 15	47.3	29.8	17.8	0.71	12.1	19.7	12.8
T60004-L2050-W583	50 x 40 x 20	52.3	37.1	22.8	0.73	14.1	11.2	10
T60004-L2050-W625	50 x 40 x 20	52.3	37.1	22.8	0.73	14.1	17	11.2
T60004-L2050-W626	50 x 40 x 20	52.3	37.1	22.8	0.73	14.1	43	13.8
T60004-L2063-W721	63 x 50 x 20	65.5	46.6	22.8	0.95	17.8	11.5	10.4
T60004-L2063-W627	63 x 50 x 20	65.5	46.6	22.8	0.95	17.8	18	11.6
T60004-L2080-W722	80 x 63 x 20	83	59.5	22.8	1.24	22.5	11.9	10.7
T60004-L2080-W628	80 x 63 x 20	83	59.5	22.8	1.24	22.5	18.5	12
T60004-L2100-W723	100 x 80 x 20	104	75	23	1.46	28.3	11.2	10
T60004-L2100-W629	100 x 80 x 20	104	75	23	1.46	28.3	17.3	11.2
T60004-L2130-W587	130 x 100 x 25	134.5	95	28.5	2.74	36.1	16.4	14.7
T60004-L2130-W630	130 x 100 x 25	134.5	95	28.5	2.74	36.1	25.4	16.5
new T60004-L2130-W567	130 x 100 x 25	134.5	95	28.5	2.85	36.1	50	-
T60004-L2160-W720	160 x 130 x 25	165	125	28.5	2.74	45.6	13	11.7
T60004-L2160-W631	160 x 130 x 25	165	125	28.5	2.74	45.6	20.1	13.1
new T60004-L2160-V062	160 x 130 x 30	165	125	33.5	3.29	45.6	16	14
new T60004-L2194-W908	194 x 155 x 25	200	149	28.5	3.71	54.8	14.7	13.2