



# VITROPERM 500 F - NANOCRYSTALLINE TAPE-WOUND CORES FOR COMMON MODE CHOKES - PLASTIC CASE

## Material data VITROPERM 500F

Material Fe-based nanocrystalline  
 Saturation Induction: 1.2 T  
 Initial permeability  $\mu_i$  (10 kHz) ~ 15 000 ... > 100 000  
 Coercivity  $H_c$  < 3 A/m  
 Max. operating temperature 130°C (155°C) and higher

## Core informations

Below listed tape-wound cores are inserted in plastic protection cases (UL 94 V-0/V-1, E41871 or E69578). These allow best magnetic properties, offer good mechanical protection and are suitable for direct winding. Epoxy coated cores are listed on our web-page [www.vacuumschmelze.com](http://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
		mm	mm	mm	cm <sup>2</sup>	cm	µH	µH
T60006-L2009-W914	9.8 x 6.5 x 4.5	11.2	5.1	5.8	0.059	2.56	25.5	6.4
T60006-L2009-W651	9.8 x 6.5 x 4.5	11.2	5.1	5.8	0.059	2.56	7.3	-
T60006-L2012-W902	12 x 8 x 4.5	14.1	6.6	6.3	0.072	3.14	28	-
T60006-L2012-W498	12.5 x 10 x 5	14.3	8.5	7	0.05	3.53	10	-
T60006-L2015-W865	15 x 10 x 4.5	17.1	7.9	6.5	0.09	3.93	27	-
T60006-L2016-W403	16 x 10 x 6	17.9	8.1	8.1	0.14	4.1	43	10.1
T60006-L2016-W308	16 x 10 x 6	17.9	8.1	8.1	0.14	4.1	11.7	6.5
T60006-L2017-W515	17.5 x 12.6 x 6	19	11	8	0.118	4.73	30	6.9
T60006-L2019-W838	19 x 15 x 10	21.2	13	12.3	0.16	5.34	36.1	8.8
T60006-L2020-W409	20 x 12.5 x 8	22.6	10.3	10.2	0.24	5.1	55.2	13.6
T60006-L2020-W450	20 x 12.5 x 8	22.6	10.3	10.2	0.24	5.1	14.3	9.1
T60006-L2025-W523	25 x 20 x 10	27.6	17.4	12.8	0.2	7.07	28.4	7.3
T60006-L2025-W380	25 x 16 x 10	27.9	13.6	12.5	0.36	6.44	65.5	15.5
T60006-L2025-W451	25 x 16 x 10	27.8	13.7	12.7	0.36	6.44	17	-
T60006-L2030-W423	30 x 20 x 10	32.8	17.6	12.5	0.4	7.85	59.3	14
T60006-L2030-W358	30 x 20 x 10	32.8	17.6	12.5	0.4	7.85	15.5	11.1
T60006-L2040-W422	40 x 32 x 15	43.1	28.7	18.5	0.456	11.3	47.2	-
T60006-L2040-W452	40 x 32 x 15	43.1	28.7	18.5	0.456	11.3	12.2	-
T60006-L2040-W424	40 x 25 x 15	43.1	22.5	18.5	0.855	10.2	101	23.1
T60006-L2040-W453	40 x 25 x 15	43.1	22.5	18.5	0.855	10.2	25.4	17.2
T60006-L2050-W565	50 x 40 x 20	53.5	36.3	23.4	0.76	14.1	18	10
T60006-L2050-W516	50 x 40 x 20	53.5	36.3	23.4	0.76	14.1	45.3	14
T60006-L2063-W517	63 x 50 x 25	67.3	46.5	28.6	1.24	17.8	58.6	-
T60006-L2080-W531	80 x 50 x 20	86	44.7	25.7	2.28	20.4	35	24
T60006-L2090-W518	90 x 60 x 20	95.4	54.7	24.7	2.28	23.6	81	-
new T60006-L2100-V081	100 x 80 x 25	105.5	75	29.6	1.9	28.3	14.5	13.1
new T60006-L2100-V082	100 x 80 x 25	105.5	75	29.6	1.9	28.3	56.3	16.9
T60006-L2102-W468	102 x 76 x 25	108.1	70	30.3	2.47	28	68.8	-
new T60006-L2102-V080	102 x 76 x 25	108.1	70	30.3	2.47	28	19.1	17.2
new T60006-L2160-V066	160 x 130 x 25	166.9	123.9	30.5	2.74	45.6	12.9	11.7
new T60006-L2160-V088	160 x 130 x 25	166.9	123.9	30.5	2.74	45.6	20.1	13.1
new T60006-L2160-V074	160 x 130 x 25	166.9	123.9	30.5	2.74	45.6	26.8	13.7

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