



Switch Power Nanocrystalline Core

Specifications:

Transmart Part number	Core dimensions		weight m ^{Fe} g	Permeability (μ at 10kHz)		A _L 10 kHz 100 kHz nominal μH	saturation current typical 10 kHz 100 kHz A	Case material PBT (130℃)
	Core dimensions d _a x d _i x h mm x mm x mm	Finished core size OD ID H mm x mm x mm		specified value	design refer			
NH-0002	50x32x20	54x28x24	125.0	65600 ≤ μ` ≤ 127000	87,000	25.5 6.4	0.2 0.4	PBT
NH-0003	64x40x20	66x37x23	215.0	72000 ≤ μ` ≤ 139000	97,000	28.0 6.8	0.2 0.4	PBT
NH-0004	70x40x20	75x36x25	265.0	42200 ≤ μ` ≤ 81500	56,000	10.0 3.6	0.4 0.8	PBT
NH-0005	70x40x25	72x37x28	352.0	72000 ≤ μ` ≤ 139000	94,000	27.0 6.7	0.3 0.5	PBT
NH-0006	80x50x25	85x44x30	416.0					PBT
NH-0010	100x50x25	105x45x44	805.0	72000 ≤ μ` ≤ 135000	97,000	43.0 10.1	0.3 0.6	PBT
NH-0011	100x60x20	105x56x23	540.0	18000 ≤ μ` ≤ 35000	23,700	11.7 6.5	1.2 1.7	PBT
NH-0014	105x60x30	110x57x35	957.0	72000 ≤ μ` ≤ 135000	96,000	30.0 6.9	0.3 0.7	PBT
NH-0015	105x60x40	110x57x34	1267.0	72000 ≤ μ` ≤ 130000	96,000	36.1 8.8	0.4 0.7	PBT
NH-0018	110x60x20	116x55x25	725.0	72000 ≤ μ` ≤ 135000	97,000	55.2 13.6	0.4 0.7	PBT
NH-0019	110x60x25	115x54x30	907.0	18100 ≤ μ` ≤ 35000	23,700	14.3 9.1	1.4 2.1	PBT
NH-0020	110x60x30	115x55x35	1081.0	60000 ≤ μ` ≤ 116000	80,000	28.4 7.3	0.6 1.1	PBT
NH-0021	120x60x30	125x57x35	1384.0	72000 ≤ μ` ≤ 135000	95,000	65.5 15.5	0.4 0.9	PBT
NH-0022	120x70x20	125x67x25	811.0	15000 ≤ μ` ≤ 35000	24,300	17.0 11.5	1.7 2.6	PBT
NH-0023	120x70x25	125x67x30	1014.0	3300 ≤ μ` ≤ 6400 (100kHz)	4,400	3.2 3.1	9.3 9.6	PBT
NH-0024	120x70x30	125x67x35	1217.0	72000 ≤ μ` ≤ 135000	103,000	59.3 14.0	0.5 1.0	PBT
NH-0025	120x70x40	125x67x47	1538.0	19500 ≤ μ` ≤ 35200	25,500	15.5 11.1	2.1 3.1	PBT
NH-0026	130x80x40	136x76x45	1793.0	3280 ≤ μ` ≤ 6400 (100kHz)	4,400	2.9 2.8	11.4 11.8	PBT
NH-0027	130x80x50	136x76x55	2242.0	72000 ≤ μ` ≤ 135000	96,000	88.0 20.0	0.5 1.1	PBT
NH-0029	130x90x50	136x85x56	1879.0	72000 ≤ μ` ≤ 135000	95,000	47.2 11.1	0.8 1.5	PBT
NH-0035	80x50x20	85x44x25	332.0	15000 ≤ μ` ≤ 29000	20,000	12.2 7.9	3.7 5.1	PBT
NH-0037	130x80x60	136x76x66	2700.0	3160 ≤ μ` ≤ 6300 (100kHz)	4,300	2.3 2.2	16.6 17.1	PBT

Note: Customized sizes available.



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Specifications:

Part Number	Core dimensions (mm)				Ae (cm ²)	Le (cm)	Weight (g)	Suitable Power
	c (mm)	b (mm)	a (mm)	d (mm)				
NH0588	130	50	40	50	15.2	48.5	5400	50-55KW
NH0567	130	50	20	25	4	40.04	1200	10-15KW
NH0353	122	42	34	20	5.18	41.29	1550	10-15KW
NH0601	152	79	50	40	15.15	61.5	6670	60-70KW
NH0246	280	150	45	50	17.25	97.02	11900	100-120KW
NH0430	260	160	50	50	18.75	96.24	13300	130-140KW

