

Dongguan JH Amorphous Co., Ltd.

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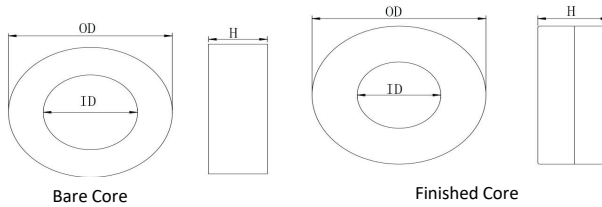
Address: 3rd Floor, #508 Liusha South Rd., Shijie Town, Dongguan City, Guang Dong Province, China

Nanocrystalline Toroidal Core



Electromagnetic Characteristic

Density	7.2g/cm ³
Curie Temperature	T _c =570℃
Crystallization Temperature	T _x =510℃
Saturation	B _s = 1.2T
Electrical Resistivity	P=100μΩ·cm
Saturation Magnetostriction	λ _s =2~3
Work Temperature	-40 ~ 140℃
Ribbon Thickness	14 ~ 30 μm
Finish	Coating / Casing



JH P/N	Core Dimensions												Effective cross-section area (mm2)	Mean path length (mm)	Window area (mm2)	Weight (g)	Inductance / Turn	
	Bare Core Dim.(mm)						Finished Core Dim. (mm)										AL(μH) ±30%	
	OD	±	ID	±	H	±	OD	±	ID	±	H	±					10K Hz	100K Hz
JHNT 040304	4	0.3	2.5	0.3	4	0.3	4.6	0.4	2.1	0.3	4.6	0.4	2	10	5	0.18	25	6
JHNT 100706	10	0.3	7	0.3	6	0.3	12.6	0.4	4	0.3	7.8	0.4	7	27	38	1.38	17	4
JHNT 100705	10	0.3	6.5	0.3	4.5	0.3	12.6	0.4	3.9	0.3	6	0.4	6	26	33	1.18	15	4
JHNT 100706B	10	0.3	7	0.3	6	0.3	12.6	0.4	4	0.3	7.8	0.4	7	27	38	1.38	17	4
JHNT 110705	11	0.3	7	0.3	5	0.3	13.6	0.4	4	0.3	3.6	0.4	8	28	38	1.63	18	4
JHNT 120803	12	0.3	8	0.3	3	0.3	14.6	0.4	4.7	0.3	5.1	0.4	5	31	50	1.09	12	2
JHNT 120805	12	0.3	8	0.3	4.5	0.3	14.6	0.4	4.7	0.3	6.3	0.4	7	31	50	1.63	20	3
JHNT 120805B	12.3	0.3	7.6	0.3	5	0.3	15.1	0.4	4.3	0.3	6.9	0.4	9	31	45	2.11	18	4
JHNT 130805	13	0.3	8	0.3	4.5	0.3	15.6	0.4	6.1	0.3	6.5	0.4	9	33	50	2.14	24	4
JHNT 140705	14	0.3	7	0.3	4.5	0.3	16.6	0.4	4	0.3	6.7	0.4	12	33	38	2.99	30	6
JHNT 140807	14	0.3	8	0.3	6.5	0.3	17.4	0.4	4.6	0.3	8.9	0.4	15	35	50	3.88	36	7
JHNT 150813	15	0.3	7.5	0.3	13	0.3	17.8	0.4	4.5	0.3	14.9	0.4	38	35	44	9.92	65	16
JHNT 151005	15	0.3	10	0.3	4.5	0.3	17.5	0.4	7.4	0.3	6.5	0.4	9	39	79	2.54	16	3
JHNT 161005	16	0.3	10	0.3	5	0.3	18.3	0.4	6.9	0.3	7.1	0.4	12	41	79	3.53	23	4
JHNT 161010	16	0.3	10	0.3	10	0.3	18.6	0.4	6.7	0.3	12.2	0.4	23	41	79	7.05	45	8
JHNT 161015	16	0.3	10	0.3	15	0.3	18.7	0.4	7.1	0.3	16.9	0.4	35	41	79	10.58	69	13
JHNT 151106	17	0.3	11	0.3	6	0.3	19.8	0.4	7.7	0.3	7.8	0.4	14	44	95	4.56	25	5
JHNT 171212	17	0.3	12	0.3	12	0.3	19.8	0.4	8.8	0.3	13.9	0.4	23	46	113	7.87	42	8
JHNT 171308	17	0.3	13	0.3	8	0.3	20	0.4	9.7	0.3	9.8	0.4	12	47	133	4.34	20	4
JHNT 181308	17.5	0.3	12.6	0.3	8	0.3	20.1	0.4	9.3	0.3	9.6	0.4	15	47	125	5.34	33	4.5
JHNT 181010	18	0.3	10	0.3	10	0.3	20.2	0.4	8.2	0.3	11.6	0.4	31	44	79	10.13	58	11
JHNT 181110B	18	0.3	10.5	0.3	10	0.3	20.2	0.4	8.35	0.3	12.1	0.4	29	45	87	9.66	53	10
JHNT 181110	18	0.3	11	0.3	10	0.3	20.6	0.4	8.1	0.3	12.4	0.4	27	46	95	9.18	48	8
JHNT 191207	19	0.3	12	0.3	6.5	0.3	21.2	0.4	9.8	0.3	8.5	0.4	18	49	113	6.38	30	5
JHNT 191208	19	0.3	12	0.3	8	0.3	21.2	0.4	9.8	0.3	9.7	0.4	22	49	113	7.85	37	7
JHNT 191309	19	0.3	12.5	0.3	9	0.3	21.3	0.4	10.3	0.3	11	0.4	23	49	123	8.33	38	7
JHNT 201208	20	0.3	12	0.3	8	0.3	22.5	0.4	9.8	0.3	10.1	0.4	24	50	113	9.26	60	7
JHNT 201210	20	0.3	12	0.3	10	0.3	22.2	0.4	10.2	0.3	11.6	0.4	31	50	113	11.58	65	9
JHNT 211405	21	0.3	14	0.3	5	0.3	23.2	0.4	11.9	0.3	6.6	0.4	14	55	154	5.54	20	3.5
JHNT 211410	21	0.3	14	0.3	10	0.3	23.2	0.4	12.2	0.3	11.6	0.4	27	55	154	11.08	40	7
JHNT 211510	21	0.3	15	0.3	10	0.3	23.9	0.4	12.8	0.3	13.2	0.4	24	57	177	9.77	25	5.25
JHNT 221215	22	0.3	12	0.3	15	0.3	24.3	0.4	9.9	0.3	16.6	0.4	59	53	113	23.06	69	16
JHNT 221310	22	0.3	13	0.3	10	0.3	24.1	0.4	11.2	0.3	11.9	0.4	35	55	133	14.24	70	9
JHNT 221514	22	0.3	15	0.3	14	0.3	24.2	0.4	12.9	0.3	15.9	0.4	38	58	177	16.40	60	10
JHNT 231505	23	0.3	15	0.3	5	0.3	25.4	0.4	12.8	0.3	7.2	0.4	16	60	177	6.87	24	4

JH P/N	Core Dimensions												Effective cross-section area (mm ²)	Mean path length (mm)	Window area (mm ²)	Weight (g)	Inductance / Turn AL(μH) ±30%	
	Bare Core Dim.(mm)						Finished Core Dim. (mm)										10K Hz	100K Hz
	OD	±	ID	±	H	±	OD	±	ID	±	H	±	Ae	Le	Aw			
JHNT 231512	23	0.3	15	0.3	12	0.3	25.8	0.4	12.2	0.3	14.9	0.4	37	60	177	16.49	60	9
JHNT 251608	25	0.3	16	0.3	8	0.3	28	0.4	13	0.3	11.5	0.4	28	64	201	13.35	55	5.5
JHNT 252010	25	0.3	20	0.3	10	0.3	27.8	0.4	17.4	0.3	12.8	0.4	19	71	314	10.17	31	4
JHNT 261610	26	0.3	16	0.3	10	0.3	28.8	0.4	13.7	0.3	12.8	0.4	38	66	201	18.99	72	9
JHNT 272010	27	0.3	20	0.3	10	0.3	29.7	0.4	17.7	0.3	12.8	0.4	27	74	314	14.88	30	5
JHNT 281810	28	0.3	18	0.3	10	0.3	30.2	0.4	16.2	0.3	11.4	0.4	39	72	254	20.80	60	7
JHNT 292110	29	0.3	21	0.3	10	0.3	31.7	0.4	18.7	0.3	12.8	0.4	31	79	346	18.09	33	6
JHNT 302010	30	0.3	20	0.3	10	0.3	32.7	0.4	17.7	0.3	12.8	0.4	38	79	314	22.61	60	7
JHNT 302010	30	0.3	20	0.3	10	0.3	32.7	0.4	17.7	0.3	12.8	0.4	38	79	314	22.61	60	7
JHNT 302015	30	0.3	20	0.3	15	0.3	32.1	0.4	18.1	0.3	16.7	0.4	59	79	314	33.91	75	10
JHNT 32208	32	0.3	20	0.3	8	0.3	35	0.4	17.5	0.3	11.5	0.4	31	79	314	22.57	55	6
JHNT 322010	32	0.3	20	0.3	10	0.3	35	0.4	17.5	0.3	13	0.4	39	79	314	28.21	60	7.5
JHNT 342805	34	0.3	28	0.3	5	0.3	37	0.4	25	0.3	8.2	0.4	12	97	615	8.41	12	1.5
JHNT 342808	34	0.3	28	0.3	8	0.3	37.2	0.4	25.2	0.3	10.9	0.4	19	97	615	13.46	16	2.5
JHNT 362820	36	0.3	28	0.3	20	0.3	38.7	0.4	25.7	0.3	22.8	0.4	62	100	615	46.30	56	9
JHNT 383115	38	0.3	31	0.3	15	0.3	41.2	0.4	28	0.3	17.5	0.4	41	108	754	32.76	70	9
JHNT 382320	38	0.3	23	0.3	20	0.3	41.2	0.4	20	0.3	22.5	0.4	117	96	415	82.75	90	14
JHNT 403010	40	0.4	30	0.3	10	0.3	43	0.4	27	0.3	13	0.4	39	110	707	31.65	38	4.5
JHNT 402515	40	0.4	25	0.3	15	0.3	43.1	0.4	22.5	0.3	18.5	0.4	86	102	491	66.13	85	11
JHNT 403215	40	0.4	32	0.3	15	0.3	43.1	0.4	29.5	0.3	18.5	0.4	47	113	804	39.07	40	7
JHNT 453508	45	0.4	35	0.3	8	0.3	48.5	0.4	32	0.3	11.5	0.4	31	126	962	28.94	25	3.5
JHNT 453808	45	0.4	38	0.3	8	0.3	48.3	0.4	34.3	0.3	11.5	0.4	22	130	1134	21.02	15	2
JHNT 503220	50	0.5	32	0.3	20	0.3	53	0.4	29	0.3	23	0.4	140	129	804	133	80	13.5
JHNT 504020	50	0.5	40	0.3	20	0.3	53.5	0.4	36.3	0.3	23.4	0.4	76	141	1256	81	50	8
JHNT 504025	50	0.5	40	0.3	25	0.3	53.5	0.4	36.3	0.3	28.5	0.4	98	141	1256	102	55	10
JHNT 523618	52	0.5	36	0.3	18	0.3	55	0.4	33	0.3	21	0.4	112	138	1017	115	75	13
JHNT 554540	55	0.5	45	0.3	40	0.3	58.2	0.5	42	0.3	43.1	0.4	156	157	1590	181	85	15
JHNT 635025	63	0.5	50	0.4	25	0.3	67.3	0.5	46.5	0.3	28.6	0.4	124	177	1963	166	60	9
JHNT 654530	65	0.5	45	0.3	30	0.3	69.3	0.5	41.5	0.3	33.6	0.4	211	170	1590	298	119	20
JHNT 704025	70	0.5	40	0.3	25	0.3	74.5	0.5	36.7	0.3	28.6	0.4	293	173	1256	373	150	25
JHNT 704230	70		42	0.3	30	0.3	74.6	0.5	38.3	0.3	33.8	0.4	328	176	1385	425	165	28
JHNT 754520	75	0.5	45	0.3	20	0.3	80	0.5	50	0.4	25	0.4	234	188	1590	326	110	18
JHNT 805010	80	0.6	50	0.4	10	0.3	86	0.5	55.3	0.4	15.7	0.4	117	204	1963	176	55	8
JHNT 805020	80	0.6	50	0.4	20	0.3	86	0.5	44.7	0.4	25.7	0.4	228	204	1963	353	50	8
JHNT 857020	85	0.6	70	0.5	20	0.3	91	0.5	64.4	0.4	25.9	0.4	117	243	3847	210	42	7
JHNT 906020	90	0.6	60	0.5	20	0.3	97	0.5	54.7	0.4	26	0.4	234	236	2826	407	85	15
JHNT 1009030	100	0.6	90	0.5	30	0.3	106	0.6	84	0.6	36	0.4	117	298	6359	258	35	6
JHNT 11010010	110	0.6	100	0.5	10	0.3	116	0.6	94	0.6	17	0.4	39	330	7850	95	10.5	2
JHNT 12010025	120	0.6	100	0.5	25	0.3	126	0.6	94.3	0.6	31	0.4	195	345	7850	497	50	8
JHNT 13010030	130	0.6	100	0.5	30	0.3	136	0.6	94.4	0.6	35	0.4	351	361	7850	936	87	14
JHNT 14010050	140	0.6	100	0.5	50	0.3	146	0.6	94.5	0.6	56	0.5	780	377	7850	2170	180	31

Remark:

All the data listed in this catalog are obtained from optimum-annealed samples. All the data are for reference, and not for guarantee any order. Cores with other specifications can be provided according to your demands.

Welcome to customize your own core.