



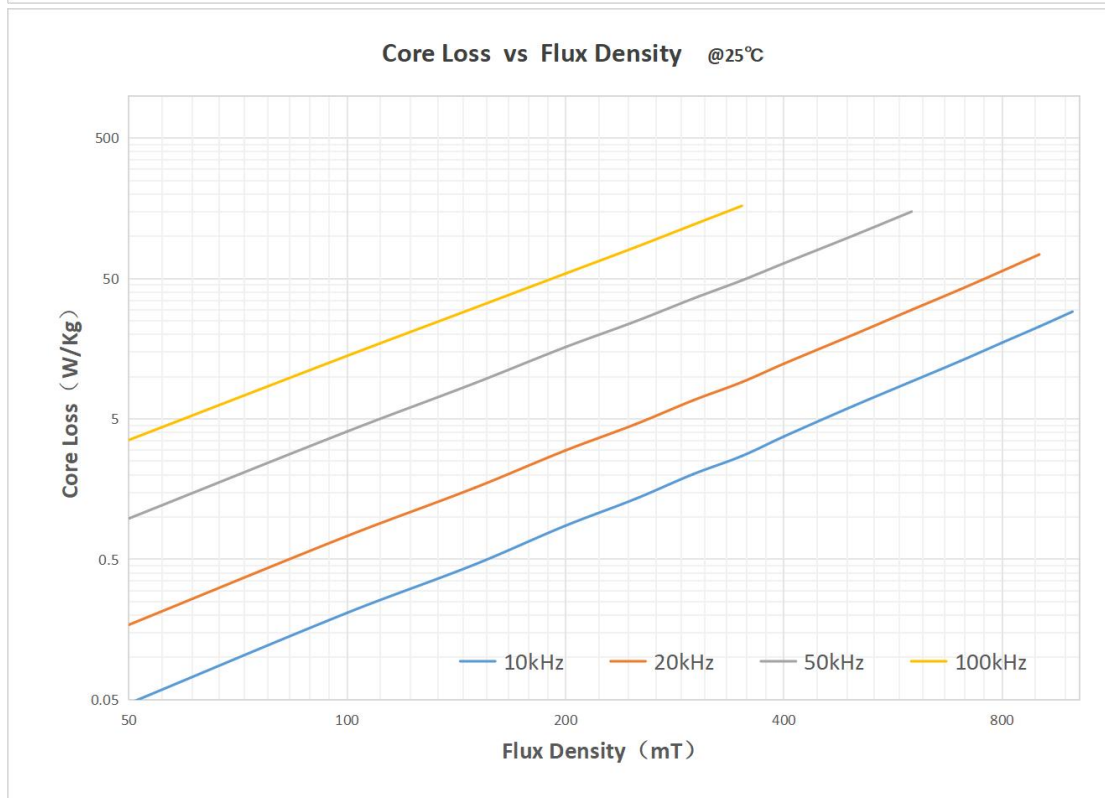
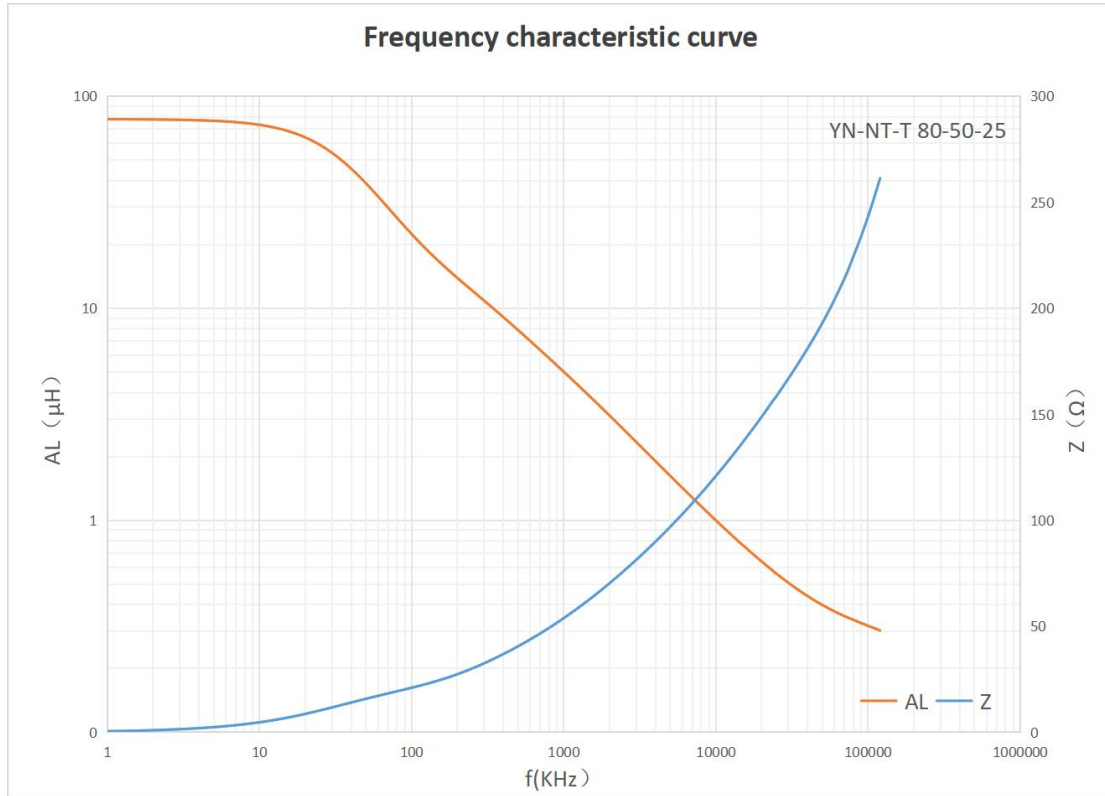
Iron-based Nanocrystalline Toroidal Cores for Power Transformer



Part No.	Core Dimension (mm)			Case Dimension (mm)			Effective Coress Area Ae (cm ²)	Magnetic Path Length Le (cm)	Power P (f=20kHz) (KW)
	OD	ID	H	OD	ID	H			
YN-NT-T 22-10-10	22	10	10	24	8	13	0.42	5.03	
YN-NT-T 24-12.5-10	24	12.5	10	26	10	12	0.4	5.73	
YN-NT-T 28-18-15	28	18	15	31	15	18	0.53	7.23	0.2~0.35
YN-NT-T 30-20-15	30	20	15	33	18	18	0.53	7.85	0.2~0.4
YN-NT-T 50-32-20	50	32	20	54	28	24	1.26	12.88	1.2~1.5
YN-NT-T 64-40-20	64	40	20	68	37	23	1.68	16.34	2.0~3.0
YN-NT-T 68-43-20	68	43	20	72	40	24	1.75	17.44	
YN-NT-T 70-40-25	70	40	25	73	37	29	2.63	17.28	2.5~4.5
YN-NT-T 80-50-25	80	50	25	85	44	30	2.63	20.42	4.5
YN-NT-T 90-40-20	90	40	20				3.5	20.42	5~6.5
YN-NT-T 100-50-25	100	50	25	104	46	29	4.38	23.56	
YN-NT-T 100-60-20	100	60	20	105	56	23	2.8	25.13	4~5
YN-NT-T 105-60-30	105	60	30	110	55	34	5.25	25.13	
YN-NT-T 120-70-20	120	70	20	125	67	25	3.5	29.85	5~6
YN-NT-T 120-70-25	120	70	25	125	67	30	4.38	29.85	6~8
YN-NT-T 120-70-30	120	70	30	126	67	35	5.25	29.85	6~12
YN-NT-T 120-60-30	120	60	30	125	57	35	6.3	28.27	8~15
YN-NT-T 130-80-40	130	80	40	136	76	45	7	32.98	15~20
YN-NT-T 130-80-50	130	80	50	136	76	55	8.75	32.98	
YN-NT-T 130-90-50	130	90	50	136	85	58	7	34.56	15~21
YN-NT-T 170-120-60	170	120	60	176	115	66	10.5	45.53	22~30
YN-NT-T 196-125-60	196	125	60	203	118	66	14.91	50.24	30~50
YN-NT-T 196-125-120	196	125	120	203	118	126	29.82	50.24	80~120



Typical cure for A_L vs. frequency





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Iron-Based Nanocrystalline Toroidal Cores for Power Transformer
Typical hysteresis loop

