

# Nanocrystalline and Amorphous

## High Frequency Power toroidal Amorphous and Nanocrystalline Iron Core

### Performance characteristic:

Provided with high saturation magnetization, low iron loss and small coercive force. And better soft magnetic performance in comparison with common electrotechnical (Fe-Si) sheet

### Use:

1. Iron core for middle frequency heating power supply
2. Reverse electric welder transformer iron core
  3. UPS iron core
  4. Power transformer iron core
5. Switching power transformer iron core
6. Iron core for high-energy accelerator

### Specification of iron core

Model	Size(mm)			Average Magnetic Path Length(cm)	Effective Section Area Ae (cm <sup>2</sup> )	Weight W(g)	Applicable Power(20khz)(KW)
	d <sub>1</sub>	d <sub>2</sub>	h				
TIE-C-AN40	40	60	20	15.70	1.40	150	0.5~0.8
TIE-C-AN41	35	60	25	14.91	2.03	220	0.8~1.2
TIE-C-AN42	50	70	30	18.85	2.04	280	1.2~1.4
TIE-C-AN43	45	80	35	19.63	4.17	600	2.0~3.0
TIE-C-AN44	50	90	30	21.99	4.08	650	2.0~3.5
TIE-C-AN45	40	80	25	18.84	3.4	470	1.8~2.4
TIE-C-AN46	50	100	35	23.56	5.95	1050	4.0~5.0

TIE-C-AN47	40	100	35	21.99	7.14	1140	4.5~6.0
TIE-C-AN48	54	103	30	24.66	5.10	920	3.5~4.0
TIE-C-AN49	75	125	30	31.41	5.10	1160	6.0~10.0
TIE-C-AN50	70	120	25	29.84	4.25	920	3.5~4.0
TIE-C-AN51	85	125	20	32.98	2.72	650	2.0~3.5
TIE-C-AN52	85	125	25	32.98	3.50	840	3.0~4.5
TIE-C-AN53	85	125	30	32.98	4.20	1000	4.0~5.0
TIE-C-AN54	90	130	25	34.55	3.50	570	3.0~4.5
TIE-C-AN55	90	130	30	34.55	4.20	1050	5.0~8.0
TIE-C-AN56	67	142	35	32.82	8.90	2100	10~15
TIE-C-AN57	120	170	25	45.55	4.25	1400	6.0~12
TIE-C-AN58	135	210	35	54.19	8.92	3500	14~20

d1-internal diameter d2-external diameter h-height