



Nano-crystalline cut core (AM-NC-XXX series)

Applications:

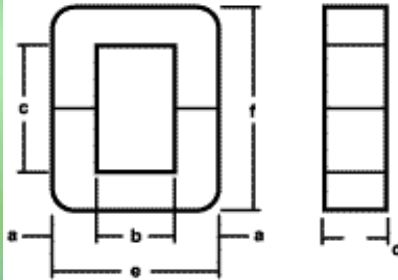
- ◆ Transformer cores in Medical X-ray, Ultrasound, MRI.
- ◆ Transformer cores in plating, welding, induction heating machine.
- ◆ Inductors (choke coils) for solar power, wind power.

Characteristics:

- ◆ High saturate induction—Reducing core volume
- ◆ Rectangular form—Easy to mount coils
- ◆ Low core loss—Low temperature rise
- ◆ Good stability—Can work at -20—150°C
- ◆ Wide frequency—10KHz to 80KHz
- ◆ Power—50w to 100kw.

Properties:

Saturation flux density	1.25T	Hardness Hv	960kg/mm ²
Curie Temperature	560°C	Density	7.18g/cm ³
Crystallization Temperature	510°C	Resistance	130μΩ-cm



Specifications:

Sheet I.

Part No.	Dimension (mm)						Cross section (cm ²)	Length (cm)	mass (g)
	a	b	c	d	e	f			
AM-NC-56	8±0.5	40.5	40.5	8±0.5	56+1	56+1	0.5	19.4	70
AM-NC-85	15±0.5	23.2	55.5	15±0.5	53+1	85+1	1.8	21.7	270
AM-NC-119	12±0.5	65.5	95	15±0.5	89+1	119+2	1.4	36.9	400
AM-NC-120A	20±1	30.5	80	20+1	72+1	120+2	3.1	28.3	700
AM-NC-120B	20±1	32.5	80	20+1	72+1	120+2	3.2	30.5	660
AM-NC-130	20±1	60.5	90	20+1	100+2	130+2	3.2	38.1	890
AM-NC-150A	25±1	55.5	100	25+1	105+2	150+2	5.0	41.1	1390
AM-NC-150B	25±1	78.5	100	25+1	128+2	150+2	5.0	45.7	1650
AM-NC-150C	25±1	78.5	100	30+1	128+2	150+2	6.0	45.7	1960
AM-NC-150D	25±1	62.5	100	30+1	112+2	150+2	4.87	40.2	1500
AM-NC-170	25±1	45.5	120	25+1	95+2	170+2	4.87	40.8	1550
AM-NC-190A	25±1	40.5	140	30+1	90+2	190+2	6.0	46.1	1950
AM-NC-190B	25±1	40.5	140	40+1	90+2	190+2	8.0	46.1	2600
AM-NC-190C	25±1	76.5	140	30+1	126+2	190+2	5.85	50.9	2350

Attention: All the data listed in this catalogue are got from optimum-annealed samples. When these ribbons are made into cores, there may be some variation of the property according to processing technique. All the data here are only for references, but not for guaranty of any order. Cores with other specifications can be provided concerning to customer's demand.