

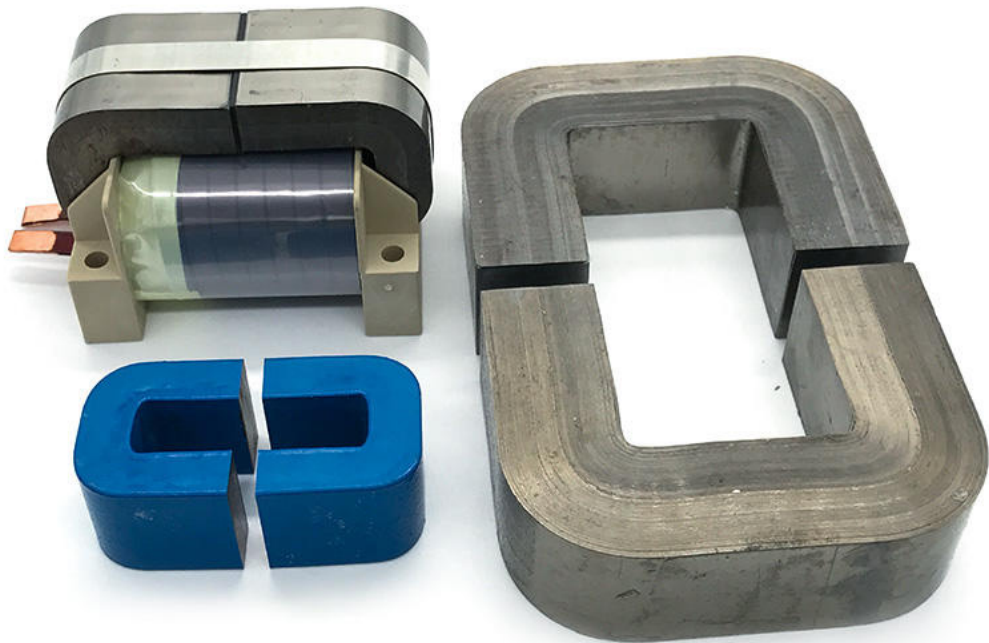


## Nanocrystalline C-core

### Basic magnetic Characteristic

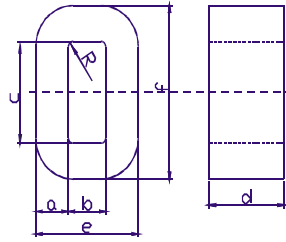
Saturation Flux Density Bs	1.23T (Ref.)
Saturation magnetstriction $\lambda_s$	<1ppm
Core Lose Pcm	0.6 W/kg (Ref.) at 10 kHz, 0.1T
Curie temperature Tc	570 deg.C (Ref.)
Effective relative permeability $\mu_e$	10,000 (Ref.) <sup>*1</sup> at 10 kHz
Maximum operation temperature	155 deg.C

\*1:  $\mu_e$  will be affected gap by length.





## Nanocrystalline C-core Specification



Part Number	a (mm)	±	b(mm) ref	c(mm) ref	d (mm)	±	e (mm)	±	f (mm)	±	R (mm)	Lm (cm)	Ac (cm <sup>2</sup> )	Aw (cm <sup>2</sup> )	AwAc (cm <sup>4</sup> )	Mass (g) ref
CACC-4NR	9	0.5	10	32.8	15	0.5	28	1	50.8	1.5	1	11.2	1.18	3.3	3.9	87
CACC-6.3NR	10	0.5	11	33	20	0.5	31	1	53	2	1	11.8	1.74	3.6	6.3	135
CACC-8NR	11	0.8	13	30	20	0.5	35	1	52	2	1	11.9	1.92	3.9	7.5	150
CACC-10NR	11	0.8	13	40	20	0.5	35	1	62	2	2	13.7	1.92	5.2	10.0	173
CACC-16ANR	11	0.8	13	40	25	0.5	35	1	62	2	2	13.7	2.40	5.2	12.5	216
CACC-16BNR	11	0.8	13	50	25	0.5	35	1	72	2	2	15.7	2.40	6.5	15.6	247
CACC-20NR	11	0.8	13	50	30	0.5	35	1	72	2	2	15.7	2.88	6.5	18.7	297
CACC-25NR	13	0.8	15	56	25	0.5	41	1	82	2	2	17.9	2.83	8.4	23.8	334
CACC-26NR	16	1	40	45	20	0.5	72	1	77	2	3	21.5	2.79	18.0	50.2	397
CACC-32NR	13	0.8	15	56	30	0.5	41	1	82	2	2	17.9	3.40	8.4	28.6	400
CACC-34NR	15	0.8	30	60	25	0.5	60	1	90	2	2	22.4	3.27	18.0	58.9	480
CACC-40NR	13	0.8	15	56	35	1	41	1	82	2	2	17.9	3.97	8.4	33.3	467
CACC-50NR	16	1	20	70	25	0.5	52	1	102	3	2	22.7	3.49	14.0	48.8	519
CACC-63NR	16	1	20	70	30	0.5	52	1	102	3	2	22.7	4.19	14.0	58.6	623
CACC-64NR	16	1	20	43	45	1	52	1	75	2	2	17.3	6.28	8.6	54.0	712
CACC-65NR	16	1	20	58	45	1	52	1	90	2	2	20.3	6.28	11.6	72.8	836
CACC-66NR	15	0.8	29	60	40	1	59	1	90	2	2	22.2	5.23	17.4	91.0	761
CACC-70NR	20	1	40	60	30	0.5	80	1	100	3	3	25.8	5.23	24.0	125.6	891
CACC-80NR	16	1	20	70	40	1	52	1	102	3	2	22.7	5.58	14.0	78.1	831
CACC-84NR	12	0.8	30	60	20	0.5	54	1	84	2	2	21.4	2.09	18.0	37.7	294
CACC-100NR	16	1	20	70	45	1	52	1	102	3	2	22.7	6.28	14.0	87.9	935
CACC-110NR	16	1	25	75	45	1	57	1	107	3	2	24.7	6.28	18.8	117.7	1017
CACC-117NR	20	1	35	77	20	0.5	75	1	117	3	2	28.3	3.49	27.0	94.0	649
CACC-125NR	19	1	25	83	35	1	63	1	121	3	2	27.2	5.80	20.8	120.3	1037
CACC-128NR	22	1	35	84	25	0.5	79	1	128	3	2	30.4	4.80	29.4	141.0	1956
CACC-140NR	26	1	45	88	30	0.5	97	1	140	3	3	34.3	6.80	39.6	269.3	1537
CACC-140ANR	26	1	45	88	40	1	97	1	140	3	3	34.3	9.07	39.6	359.1	2050
CACC-160NR	19	1	25	83	40	1	63	1	121	3	2	27.2	6.63	20.8	137.5	1185
CACC-200NR	19	1	25	83	50	1	63	1	121	3	2	27.2	8.28	20.8	171.9	1481
CACC-210NR	40	1.5	50	130	50	1	130	2	210	3	4	47.9	17.44	65.0	1133.6	5503

Note: Customized sizes available upon request.