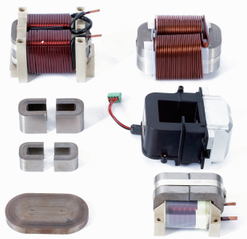
Fe-based Amorphous C-Core

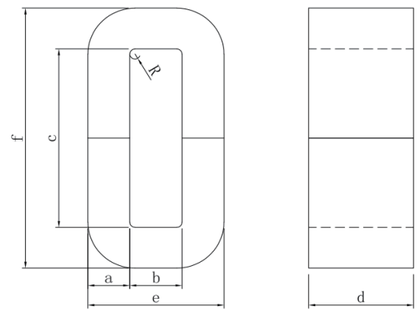


Application

- Reactor core for PV inverter
- Filter reactor of high frequency high power switching power supply
- Med-high frequency switching power supply
- Major transformer of UPS power supply

Features

- High saturate induction intensity-reduce core volume
- Rectangular cutting structure-easy to assemble the coil
- Magnetic core segmentation-excellent resistance to DC bias saturation
- （16kHz，37mT P≤1.0 W/kg） Low loss-reduce temperature rise
- -40~130°C长时间工作Good stability-stable work at -40~130°C
- ： 1000-1500 Gs/Oe
  Permeability: 1000-1500 Gs/Oe



a-core build b-window width c-window height d-core height
e-core width f-core length Le-length of magnetic path
Ae-Effective cross section area Aw-window area Weight-Weight in Grams

P/N	Core build (mm)		Window width (mm) ref	Window length (mm) ref	Core height (mm)		Core width (mm)		Core length (mm)		R angle	Magnetic path length (cm)	Effective cross section area(cm²)	Window area(cm²)	Weight (g)
	a	±	b	c	d	±	e	±	f	±	R	Le	Ae	Aw	m
CACC-0.9	5.5	0.5	5.4	16.4	20	0.5	16.4	1	27.4	1.5	2.75	5.62	0.98	0.89	39
CACC-4	9	0.5	10	32.8	15	0.5	28	1	50.8	1.5	1	11.22	1.20	3.28	97
CACC-4B	9	0.5	11	33	15	0.5	29	1	51	1.5	1	11.46	1.20	3.63	99
CACC-6.3	10	0.5	11	33	20	0.5	31	1	53	2	1	11.77	1.78	3.63	150
CACC-8	11	0.8	13	30	20	0.5	35	1	52	2	1	11.88	1.96	3.90	167
CACC-10	11	0.8	13	40	20	0.5	35	1	62	2	2	13.71	1.96	5.20	193
CACC-12	8	0.5	14	31	40	1	30	1	47	1.5	2	11.17	2.85	4.34	228
CACC-16A	11	0.8	13	40	25	0.5	35	1	62	2	2	13.71	2.45	5.20	241
CACC-16B	11	0.8	13	50	25	0.5	35	1	72	2	2	15.71	2.45	6.50	276
CACC-20	11	0.8	13	50	30	0.5	35	1	72	2	2	15.71	2.94	6.50	331
CACC-20B	11	0.8	13.6	50	30	0.5	35.6	1	72	2	2	15.83	2.94	6.80	334
CACC-20C	11	0.8	13.3	50	30	0.5	35.3	1	72	2	2	15.77	2.94	6.65	333
CACC-20D	11.7	0.8	14	50	30	0.5	37.4	1	73.4	2	2	16.13	3.12	7.00	362
CACC-20E	11	0.8	14	50	30	0.5	36	1	72	2	2	15.91	2.94	7.00	336
CACC-21	11	0.8	17	32	40	1	39	1	54	2	2	12.91	3.92	5.44	363
CACC-21B	10	0.8	17	32	40	1	37	1	52	2	2	12.60	3.56	5.44	322
CACC-25	13	0.8	15	56	25	0.5	41	1	82	2	2	17.94	2.89	8.40	373
CACC-25B	13.8	0.8	16	56	25	0.5	43.6	1	83.6	2	2	18.39	3.07	8.96	405
CACC-26	16	1	40	45	20	0.5	72	1	77	2	2	21.68	2.85	18.00	443
CACC-26B	16	1	20	50	20	0.5	52	1	82	2	2	18.68	2.85	10.00	382
CACC-30	8	0.5	20	54	40	1	36	1	70	2	2	16.97	2.85	10.80	347
CACC-32	13	0.8	15	56	30	0.5	41	1	82	2	2	17.94	3.47	8.40	447
CACC-32C	13	0.8	15.6	56	30	0.5	41.6	1	82	2	2	18.06	3.47	8.74	450
CACC-32D	13	0.8	15.3	56.6	30	0.5	41.3	1	82.6	2	2	18.12	3.47	8.66	452
CACC-32E	13.5	0.8	16	56	30	0.5	43	1	83	2	2	18.30	3.60	8.96	474
CACC-33	10	0.8	20	56	40	1	40	1	76	2	2	18.00	3.56	11.20	460
CACC-34	15	0.8	30	60	25	0.5	60	1	90	2	2	22.37	3.34	18.00	536
CACC-35	13	0.8	15	61	30	0.5	41	1	87	2	2	18.94	3.47	9.15	472
CACC-39	16	1	20	45	30	0.5	52	1	77	2	2	17.68	4.27	9.00	542
CACC-40	13	0.8	15	56	35	1	41	1	82	2	2	17.94	4.05	8.40	522
CACC-40B	13	0.8	15	78	35	1	41	1	104	3	2	22.34	4.05	11.70	650
CACC-40C	13	0.8	16	56	35	1	42	1	82	2	2	18.14	4.05	8.96	527
CACC-40D	14	0.8	16	56	35	1	44	1	84	2	2	18.45	4.36	8.96	578
CACC-50	16	1	20	70	25	0.5	52	1	102	3	2	22.68	3.56	14.00	580
CACC-50B	16	1	21	73	25	0.5	53	1	105	3	2	23.48	3.56	15.33	600
CACC-60	14.4	0.8	31.2	52	30	0.5	60	1	80.8	2	2	20.82	3.84	16.22	575
CACC-60B	16	1	20	60	35	1	52	1	92	2	2	20.68	4.98	12.00	740
CACC-62	14.4	0.8	41.2	62	30	0.5	70	1	90.8	2	2	24.82	3.84	25.54	685
CACC-62B	15	0.8	15	45	70	1	45	1	75	2	2	16.37	9.35	6.75	1098
CACC-63	16	1	20	70	30	0.5	52	1	102	3	2	22.68	4.27	14.00	696
CACC-63B	16	1	20	69	30	0.5	52	1	101	3	2	22.48	4.27	13.80	690
CACC-64	16	1	20	43	45	1	52	1	75	2	2	17.28	6.41	8.60	795
CACC-64B	16	1	20	48	45	1	52	1	80	2	2	18.28	6.41	9.60	841
CACC-65	16	1	20	58	45	1	52	1	90	2	2	20.28	6.41	11.60	933

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P/N	Core build (mm)		Window width (mm) ref	Window length (mm) ref	Core height (mm)		Core width (mm)		Core length (mm)		R angle	Magnetic path length (cm)	Effective cross section area(cm²)	Window area	Weight (g)
	a	±	b	c	d	±	e	±	f	±	R	Le	Ae	Aw	m
CACC-66	15	0.8	29	60	40	1	59	1	90	2	2	22.17	5.34	17.40	850
CACC-66B	14.4	0.8	51.2	82	30	0.5	80	1	110.8	3	2	30.82	3.84	41.98	851
CACC-70	20	1	40	60	30	0.5	80	1	100	3	2	25.94	5.34	24.00	995
CACC-70B	10.5	0.8	15	125	40	1	36	1	146	3	3	30.78	3.74	18.75	826
CACC-71	14.4	0.8	31.2	62	30	0.5	60	1	90.8	2	2	22.82	3.84	19.34	630
CACC-74	20	1	26	63	30	0.5	66	1	103	3	2	23.74	5.34	16.38	910
CACC-75	20	1	20	85	25	0.5	60	1	125	3	2	26.94	4.45	17.00	861
CACC-76	12	0.8	45	105	15	0.5	69	1	129	3	2	33.43	1.60	47.25	384
CACC-80	16	1	20	70	40	1	52	1	102	3	2	22.68	5.70	14.00	928
CACC-80B	16	1	21	73	40	1	53	1	105	3	2	23.48	5.70	15.33	960
CACC-84	12	0.8	30	60	20	0.5	54	1	84	2	2	21.43	2.14	18.00	329
CACC-100	16	1	20	70	45	1	52	1	102	3	2	22.68	6.41	14.00	1044
CACC-100B	16	1	21	73	45	1	53	1	105	3	2	23.48	6.41	15.33	1080
CACC-100C	16	1	21.5	70	45	1	53.5	1	102	3	2	22.98	6.41	15.05	1057
CACC-110	16	1	25	75	45	1	57	1	107	3	2	24.68	6.41	18.75	1136
CACC-117	20	1	35	77	20	0.5	75	1	117	3	2	28.34	3.56	26.95	724
CACC-117B-3CUT	15.5	0.8	20	75	55	1	51	1	106	3	2	23.53	7.59	15.00	1282
CACC-119	16	1	20	70	60	1	52	1	102	3	2	22.68	8.54	14.00	1392
CACC-121-3CUT	15	0.8	22	75	55	1	52	1	105	3	2	23.77	7.34	16.50	1253
CACC-125	19	1	25	83	35	1	63	1	121	3	2	27.23	5.92	20.75	1157
CACC-127	20	1	30	60	40	1	70	1	100	3	2	23.94	7.12	18.00	1224
CACC-128	22	1	35	84	25	0.5	79	1	128	3	2	30.37	4.90	29.40	1067
CACC-131	20	1	35	105	20	0.5	75	1	145	3	2	33.94	3.56	36.75	868
CACC-135	20	1	40	92	30	0.5	80	1	132	3	3	32.17	5.34	36.80	1233
CACC-137	10.5	0.8	35	105	40	1	56	1	126	3	2	30.96	3.74	36.75	831
CACC-140	26	1	45	88	30	0.5	97	1	140	3	3	34.25	6.94	39.60	1707
CACC-140A	26	1	45	88	40	1	97	1	140	3	3	34.25	9.26	39.60	2276
CACC-157-3CUT	20	1	20	80	55	1	60	1	120	3	2	25.94	9.79	16.00	1823
CACC-160	19	1	25	83	40	1	63	1	121	3	2	27.23	6.76	20.75	1322
CACC-P160A-2CUT	19	1	25	72	40	1	63	1	110	3	2	25.03	6.76	18.00	1215
CACC-168S	20.4	1	30	154.2	20	0.5	70.8	1	195	3	2	42.91	3.63	46.26	1119
CACC-169-3CUT	20	1	21	82	55	1	61	1	122	3	2	26.54	9.79	17.22	1866
CACC-170	16.5	1	40	72	40	1	73	1	105	3	3	27.07	5.87	28.80	1142
CACC-180	25	1	35	65	30	0.5	85	1	115	3	2	27.51	6.68	22.75	1318
CACC-193	40	1.5	50	113	40	1	130	2	193	3	4	44.48	14.24	56.50	4548
CACC-200	19	1	25	83	50	1	63	1	121	3	2	27.23	8.46	20.75	1653
CACC-200A-2CUT	20	1	25	82	50	1	65	1	122	3	2	27.34	8.90	20.50	1747
CACC-200B	14	0.8	35	93	68.3	1	63	1	121	3	2	29.65	8.51	32.55	1812
CACC-210	40	1.5	50	130	50	1	130	2	210	3	4	47.88	17.80	65.00	6119
CACC-245	16.5	1	38	74	60	1	71	1	107	3	2	27.24	8.81	28.12	1723
CACC-250	19	1	25	90	60	1	63	1	128	3	2	28.63	10.15	22.50	2085
CACC-270	20	1	30	70	60	1	70	1	110	3	2	25.94	10.68	21.00	1989
CACC-275	25	1	35	78	50	1	85	1	128	3	2	30.11	11.13	27.30	2405
CACC-276	21	1	35	105	40	1	77	1	147	3	2	34.25	7.48	36.75	1839

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	a	±	b	c	d	±	e	±	f	±	R	Le	Ae	Aw	m
CACC-276B	13	1	35	105	65	1	61	1	131	3	2	31.74	7.52	36.75	1714
CACC-320	22	1	35	85	50	1	79	1	129	3	3	30.40	9.79	29.75	2137
CACC-320B	22	1	35	105	50	1	79	1	149	3	3	34.40	9.79	36.75	2418
CACC-327	25	1	35	105	40	1	85	1	155	3	2	35.51	8.90	36.75	2269
CACC-367S	25.8	1	67	97.8	25	0.5	118.6	2	149.4	3	3	40.55	5.74	65.53	1671
CACC-385	20	1	35	90.5	70	1	75	1	130.5	3	3	30.87	12.46	31.68	2762
CACC-400	22	1	35	85	65	1	79	1	129	3	3	30.40	12.73	29.75	2778
CACC-455	17	1	40	84	90	1.5	74	1	118	3	2	29.80	13.62	33.60	2913
CACC-465	25	1	40	105	50	1	90	1	155	3	3	36.34	11.13	42.00	2903
CACC-500	25	1	40	85	55	1	90	1	135	3	3	32.34	12.24	34.00	2841
CACC-509B	23.7	1	25	78	40	1	72.4	1	125.4	3	2	27.70	8.44	19.50	1678
CACC-509D	24.7	1	25	78	40	1	74.4	1	127.4	2	3	27.84	8.79	19.50	1758
CACC-531	25	1	35	105	65	1	85	1	155	3	2	35.51	14.46	36.75	3687
CACC-549	42	1.5	35	105	40	1	119	2	189	3	4	40.51	14.95	36.75	4349
CACC-557	30	1	35	100	60	1	95	1	160	3	3	35.91	16.02	35.00	4130
CACC-570A	25	1	40	100	45	1	90	1	150	3	3	35.34	10.01	40.00	2541
CACC-570B	25	1	40	100	50	1	90	1	150	3	3	35.34	11.13	40.00	2823
CACC-630	25	1	40	85	70	1	90	1	135	3	3	32.34	15.58	34.00	3616
CACC-650	40	1.5	40	115	40	1	120	2	195	3	4	42.88	14.24	46.00	4384
CACC-660	40	1.5	80	80	40	1	160	2	160	3	4	43.88	14.24	64.00	4486
CACC-695	40	1.5	35	94	60	1	115	2	174	3	4	37.68	21.36	32.90	5779
CACC-787	40	1.5	40	85	65	1	120	2	165	3	4	36.88	23.14	34.00	6127
CACC-800A	25	1	40	85	85	1.5	90	1	135	3	4	32.17	18.91	34.00	4368
CACC-800B	30	1	40	95	85	1.5	100	2	155	3	4	35.74	22.70	38.00	5824
CACC-802	32	1	60	118	40	1	124	2	182	3	4	44.97	11.39	70.80	3678
CACC-836	25	1	50	126	60	1	100	2	176	3	4	42.37	13.35	63.00	4061
CACC-920	21.5	1	60	90	90	1.5	103	2	133	3	4	36.07	17.22	54.00	4460
CACC-1000	33	1	40	105	85	1.5	106	2	171	3	4	38.68	24.96	42.00	6933
CACC-1050	40	1.5	50	100	70	1	130	2	180	3	4	41.88	24.92	50.00	7493
CACC-1200	40	1.5	79	130	70	1	159	2	210	4	5	53.51	24.92	102.70	9574
CACC-1300	40	1.5	86	150	70	1	166	2	230	4	5	58.91	24.92	129.00	10540
CACC-1400	40	1.5	64	120	80	1.5	144	2	200	4	5	48.51	28.48	76.80	9919
CACC-1500	40	1.5	64	160	80	1.5	144	2	240	4	5	56.51	28.48	102.40	11555
CACC-1600	45	1.5	45	145	95	1.5	135	2	235	4	4	51.45	38.05	65.25	14055
CACC-1658	50	1.5	60	138	45	1	160	2	238	4	5	54.45	20.03	82.80	7829
CACC-1800	33	1	75	240	60	1	141	2	306	4	5	72.51	17.62	180.00	9174
CACC-2000	60	1.5	60	150	35	1	180	3	270	4	5	59.99	18.69	90.00	8050
CACC-2950	28	1	78	128	120	1.5	134	2	184	4	5	49.14	29.90	99.84	10550
CACC-3604	40	1.5	64	201	80	1	144	2	281	4	5	64.71	28.48	128.64	13232
CACC-10000	75	1.5	50	150	142	1.5	200	3	300	4	5	62.70	94.79	75.00	42673
CACC-18855	80	1.5	100	193	142	1.5	260	3	353	4	5	82.87	101.10	193.00	60161
CACC-25000	80	1.5	60	180	80	1.5	220	3	340	4	5	72.27	56.96	108.00	29558
CACC-30000	75	1.5	72	385	75	1	222	3	535	4	5	114.10	50.06	277.20	41014

The provided data is for customer's initial design guidelines only, please check the approval data sheet before ordering. *Toroidal, Oval, Clamp Shape or other customized designs are available.
*

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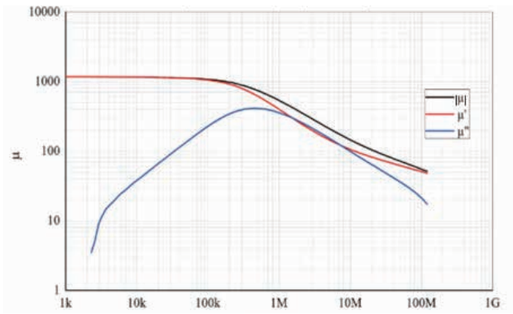
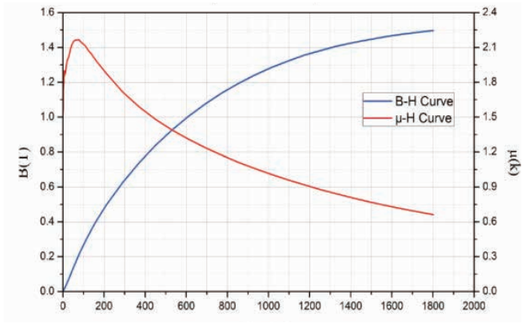
Typical electromagnetic performance curve for CACC core in Iron-based Amorphous

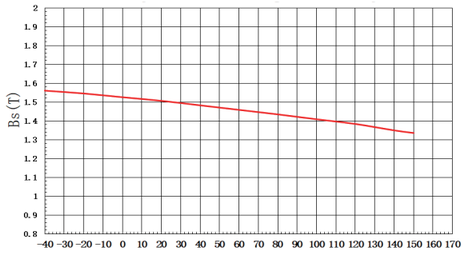


Frequency (Hz)

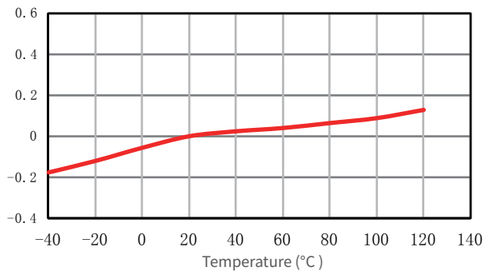
The Permeability Curve With Frequency Of Amorphous CACC Core



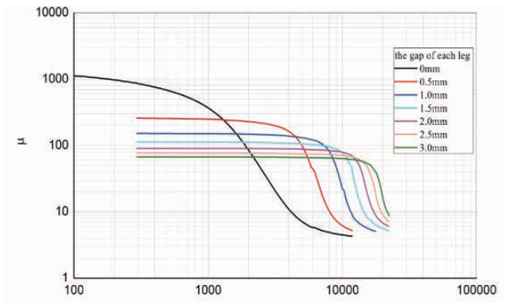
The B-H Curve And μ-H Curve Of Amorphous CACC Core



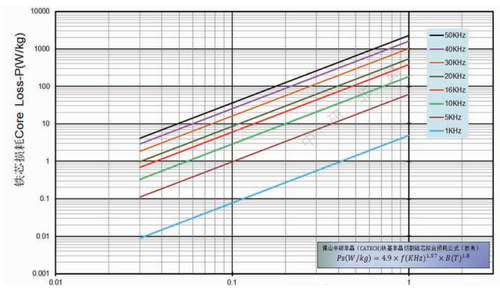
The Relative Change For BS VS Temperature Of Amorphous CACC Core



The Relative Change For μ vs Temperature Of Amorphous CACC Core
(Test @ 1K101 10K)



The DC-Bias Curve Of Amorphous CACC Core



Magnetic flux density -B(T)The Core
Loss Of Amorphous CACC Core

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