Split nanocrystaline core BH datasheet

Remarks: these datas are obtained from a split Nanocrystaline core with size 190/150/30. differenct size of core may have different property.Generally speaking, the smaller the split core, the lower the property will be.

Fre(Hz)	Heff(mA/cm)	Bm(Gs)	loss angle δ (deg)	Heff(mA/cm)	Bm(Gs)	loss angle δ (deg)
50/60	0.27	10.4	0.9499	4.71	223.6	6.458
50/60	0.35	13.56	1.045	4.79	227.7	6.563
50/60	0.41	15.96	1.105	4.86	232	6.707
50/60	0.49	19.03	1.025	4.92	235.7	6.786
50/60	0.56	21.61	1.251	4.99	239.9	6.927
50/60	0.63	24.81	1.216	5.07	244.3	7.026
50/60	0.71	27.7	1.399	5.15	249.1	7.136
50/60	0.77	30.29	1.384	5.22	253.5	7.268
50/60	0.84	33.23	1.502	5.29	257.8	7.379
50/60	0.91	36.15	1.598	5.36	262.1	7.462
50/60	0.99	39.38	1.638	5.42	266	7.58
50/60	1.06	42.39	1.72	5.50	270.4	7.648
50/60	1.13	45.04	1.834	5.50	272.4	7.969
50/60	1.21	48.4	1.839	5.58	277.3	8.095
50/60	1.28	51.37	1.966	5.65	282	8.199
50/60	1.34	54.16	1.979	5.73	286.4	8.305
50/60	1.42	57.57	2.113	5.79	290.5	8.397
50/60	1.48	60.28	2.127	5.86	294.9	8.5
50/60	1.56	63.39	2.211	5.94	299.7	8.594
50/60	1.63	66.84	2.307	6.01	304.5	8.704
50/60	1.70	69.68	2.357	6.08	308.9	8.81
50/60	1.78	73.09	2.412	6.15	313.5	8.897
50/60	1.84	76.74	2.432	6.22	318.1	8.993
50/60	1.92	80.19	2.529	6.29	322.5	9.069
50/60	1.99	83.5	2.576	6.35	327	9.17
50/60	2.06	86.32	2.654	6.44	332.5	9.252
50/60	2.13	90.02	2.719	6.51	337.3	9.349
50/60	2.21	93.23	2.836	6.58	342	9.444
50/60	2.27	96.28	2.866	6.64	346.3	9.515
50/60	2.35	99.91	2.933	6.71	350.6	9.608
50/60	2.42	103.3	3.048	6.79	355.9	9.695
50/60	2.48	106.3	3.155	6.86	361	9.79
50/60	2.56	109.9	3.227	6.93	365.8	9.872
50/60	2.64	113.5	3.29	7.00	370.7	9.948
50/60	2.70	116.5	3.404	7.07	375.2	10.01
50/60	2.77	120	3.456	7.14	379.8	10.11
50/60	2.85	123.7	3.548	7.21	385	10.17
50/60	2.92	127	3.634	7.28	389.8	10.26
50/60	2.99	130.5	3.787	7.35	394.5	10.32
50/60	3.07	134.4	3.843	7.41	399.3	10.41
50/60	3.13	137.6	3.979	7.49	404.4	10.46
50/60	3.20	141.2	4.038	7.57	409.8	10.55
50/60	3.28	145.2	4.152	7.64	414.7	10.61
50/60	3.34	148.6	4.274	7.71	419.6	10.69
50/60	3.42	152.2	4.4	7.78	424.7	10.75
50/60	3.50	156.4	4.47	7.85	429.6	10.83
50/60	3.57	160	4.573	7.92	434.9	10.88
50/60	3.63	163.3	4.706	7.99	439.4	10.95
50/60	3.70	167.2	4.821	8.05	444.2	11.02
50/60	3.77	171.1	4.919	8.12	449	11.07
50/60	3.85	175.3	5.036	8.19	454.2	11.13
50/60	3.93	179.2	5.167	8.26	459.4	11.2
50/60	4.00	182.9	5.301	8.33	464.3	11.25
50/60	4.06	186.6	5.375	8.40	470.2	11.31
50/60	4.13	190.5	5.528	8.48	475.3	11.37
50/60	4.20	194.5	5.61	8.55	480.1	11.42
50/60	4.28	199	5.746	8.63	485.8	11.48
50/60	4.36	202.9	5.866	8.69	490.5	11.53
50/60	4.43	207	5.999	8.76	495.8	11.59
50/60	4.49	210.7	6.093	8.83	500.5	11.63
50/60	4.56	214.8	6.224	8.89	505.4	11.68
50/60	4.64	219	6.33	8.96	510.6	11.73

Split nanocrystaline core BH datasheet

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Fre(Hz)	*Heff(mA/cm)*	Bm(Gs)	loss angle δ (deg)	*Heff(mA/cm)*	Bm(Gs)	loss angle δ (deg)
50/60	*9.03*	515.6	11.78	*16.14*	1062	13.33
50/60	*9.10*	521.1	11.83	*16.27*	1072	13.32
50/60	*9.17*	526.2	11.87	*16.40*	1082	13.3
50/60	*9.25*	531.5	11.92	*16.53*	1091	13.29
50/60	*9.32*	537.5	11.97	*16.68*	1105	13.31
50/60	*9.39*	542.1	12.02	*17.01*	1131	13.28
50/60	*9.46*	548	12.06	*17.35*	1156	13.24
50/60	*9.52*	552.7	12.1	*17.67*	1181	13.21
50/60	*9.60*	558.5	12.14	*17.98*	1205	13.18
50/60	*9.67*	563.2	12.18	*18.33*	1230	13.14
50/60	*9.73*	568	12.22	*18.66*	1255	13.09
50/60	*9.80*	573.5	12.25	*18.99*	1279	13.04
50/60	*9.86*	578.7	12.29	*19.30*	1303	13
50/60	*9.94*	583.9	12.32	*19.64*	1327	12.95
50/60	*10.00*	589	12.36	*19.97*	1351	12.9
50/60	*10.08*	594.3	12.39	*20.30*	1375	12.84
50/60	*10.15*	600.2	12.43	*20.63*	1399	12.79
50/60	*10.22*	605.4	12.47	*20.96*	1423	12.73
50/60	*10.29*	610.6	12.49	*21.28*	1446	12.68
50/60	*10.36*	615.9	12.52	*21.61*	1469	12.62
50/60	*10.42*	621	12.55	*21.95*	1493	12.56
50/60	*10.50*	625.9	12.57	*22.27*	1516	12.51
50/60	*10.57*	632.7	12.65	*22.58*	1538	12.45
50/60	*10.70*	642.8	12.72	*22.91*	1561	12.39
50/60	*10.85*	653.6	12.76	*23.27*	1584	12.39
50/60	*10.99*	664.2	12.82	*23.60*	1607	12.37
50/60	*11.12*	675	12.87	*23.91*	1628	12.27
50/60	*11.26*	685.6	12.91	*24.24*	1651	12.25
50/60	*11.40*	696.4	12.96	*24.57*	1673	12.17
50/60	*11.54*	707	12.99	*24.89*	1695	12.13
50/60	*11.68*	717.3	13.04	*25.23*	1716	12.09
50/60	*11.80*	727.8	13.06	*25.55*	1740	12.01
50/60	*11.95*	739.1	13.1	*25.86*	1759	12
50/60	*12.09*	749.8	13.13	*26.18*	1781	11.89
50/60	*12.23*	760	13.16	*26.51*	1803	11.88
50/60	*12.36*	770.7	13.19	*26.84*	1825	11.8
50/60	*12.50*	781.2	13.21	*27.16*	1845	11.71
50/60	*12.63*	791.8	13.23	*27.47*	1865	11.72
50/60	*12.77*	802.7	13.26	*27.79*	1886	11.67
50/60	*12.91*	813.3	13.28	*28.12*	1908	11.55
50/60	*13.05*	824.2	13.29	*28.44*	1929	11.52
50/60	*13.17*	833.5	13.31	*28.77*	1949	11.46
50/60	*13.30*	844	13.32	*29.10*	1970	11.41
50/60	*13.44*	854.7	13.34	*29.41*	1989	11.38
50/60	*13.58*	866	13.35	*29.74*	2011	11.29
50/60	*13.72*	876.5	13.36	*30.04*	2030	11.25
50/60	*13.85*	887.2	13.37	*30.37*	2051	11.19
50/60	*13.99*	897.2	13.38	*30.69*	2070	11.12
50/60	*14.11*	907	13.38	*31.00*	2088	11.1
50/60	*14.25*	917.6	13.39	*31.33*	2110	11.04
50/60	*14.39*	928.1	13.38	*31.64*	2129	10.96
50/60	*14.53*	939.1	13.39	*31.97*	2148	10.92
50/60	*14.67*	949.3	13.39	*32.28*	2168	10.86
50/60	*14.80*	960	13.38	*32.60*	2188	10.83
50/60	*14.93*	970.3	13.38	*32.93*	2207	10.81
50/60	*15.07*	980.6	13.39	*33.24*	2226	10.71
50/60	*15.21*	991.2	13.38	*33.55*	2245	10.68
50/60	*15.35*	1001	13.37	*125.60*	5839	4.666
50/60	*15.48*	1012	13.37	*1025.00*	10830	0.6867
50/60	*15.61*	1022	13.36			
50/60	*15.74*	1032	13.36			
50/60	*15.87*	1042	13.35			
50/60	*16.01*	1052	13.33			