

COMMON MODE CHOKES CORES

STANDARD CORE DIMENSIONS & SPECIFICATIONS

N80 Series Nanocrystalline Common Mode Choke Cores

Part No.	Core Dimensions(mm)			Case Dimensions(mm) ①			L _{eff} ② (mm)	A _{eff} ③ (mm ²)	V _{eff} ④ (mm ³)	A _L ⑤ (μH)	Box type ⑥
	OD	ID	HT	OD	ID	HT					
N80-0703	7.2	4.3	2.8	8.0	3.5	3.5	18.0	3.0	55.0	9.0	a)
N80-1004	10.0	6.5	4.5	11.2	5.1	5.7	25.9	5.9	153.0	15.0	a)
N80-1005	10.0	6.5	5.0	11.2	5.1	6.5	25.9	6.6	170.0	16.5	a)
N80-1204	12.0	8.0	4.5	13.5	6.5	6.5	31.4	6.8	212.0	15.0	b)
N80-1205	14.0	10.0	5.0	15.5	8.5	6.8	31.4	7.5	236.0	16.5	b)
N80-1608	16.0	10.0	8.0	17.2	8.5	10.0	40.8	18.0	735.0	22.0	b)
N80-1908	19.0	14.0	8.0	22.5	12.1	12.2	51.8	15.0	777.0	17.5	b)
N80-2008	20.0	12.0	8.0	22.3	10.0	10.3	50.2	24.0	206.0	22.0	b)
N80-2110	21.0	16.0	10.0	24.5	14.0	12.5	50.2	30.0	508.0	20.5	b)
N80-2610	26.0	16.0	10.0	27.5	14.0	12.5	66.0	37.0	2474.0	46.5	b)
N80-2815	28.0	18.0	15.0	30.2	16.0	17.6	72.3	56.0	4064.0	55.0	b)
N80-3015	30.0	20.0	15.0	33.1	17.8	17.5	78.5	56.0	4418.0	45.0	b)
N80-3210	32.0	20.0	10.0	34.0	17.8	12.5	81.7	45.0	3676.0	38.0	b)
N80-4010	40.0	25.0	10.0	42.5	22.5	13.0	102.1	56.3	5740.0	30.0	b)
N80-4013	40.0	25.0	12.5	42.5	22.5	14.5	102.1	70.3	7179.0	40.0	b)
N80-4015	40.0	25.0	15.0	43.2	21.9	18.9	102.1	84.4	8615.0	45.0	b)
N80-5015	50.0	32.0	15.0	53.2	29.0	18.2	128.8	101.3	13042.0	55.0	b)
N80-5020	50.0	32.0	20.0	53.2	29.5	23.5	128.8	135.0	17388.0	70.0	b)
N80-5920	59.0	40.0	20.0	62.0	37.0	23.0	155.5	142.5	22160.0	55.0	b)
N80-6420	64.0	40.0	20.0	67.0	37.0	24.0	163.3	180.0	29405.0	60.0	b)
N80-8020	80.0	50.0	20.0	84.0	47.0	24.0	204.2	225.0	45946.0	65.0	b)
N80-10020	100.0	60.0	20.0	105.0	56.0	25.0	251.3	300.0	75398.0	70.0	b)
N80-12020	120.0	70.0	20.0	125.0	67.0	25.0	298.5	375.0	111920.0	58.2	b)
N80-12025	120.0	70.0	20.5	125.0	67.0	31.0	298.5	468.8	139900.0	70.0	b)
N80-12030	120.0	70.0	30.0	125.0	67.0	36.0	298.5	562.5	167880.0	82.0	b)
N80-13040	130.0	80.0	40.0	135.0	75.0	45.0	329.9	750.0	247400.0	125.0	b)
N80-13050	130.0	80.0	50.0	135.0	75.0	55.0	329.9	937.5	309200.0	155.0	b)

Notes:

- ① The finished core dimensions shows a typical ones. Tolerance is ± 0.2mm.
- ② Norminal values of magnetic path length.
- ③ Norminal values of cross-section area.
- ④ Norminal values of volume.
- ⑤ Minimum values. Initial nominal inductance at 10kHz, 0.1Vosc@RT.
- ⑥ Finished box type
 - a) Epoxy coating.
 - b) Plastic case.