

# CAR AUDIO/NAVIGATION CHOKES

## STANDARD CORE DIMENSIONS & SPECIFICATIONS

Part No.	Finished Core(mm) ①			$L_{\text{eff}}$ ② (mm)	$A_{\text{eff}}$ ③ (mm <sup>2</sup> )	$V_{\text{eff}}$ ④ (mm <sup>3</sup> )	$W_a$ ⑤ (mm <sup>2</sup> )	$A_L$ ⑥ ( $\mu\text{H}$ )	$\mu$ ⑦
	OD	ID	HT						
NC-11S-N	12.4	5.5	6.7	27.8	8.5	240	24	0.142	370
NC-12S-N	14.0	6.6	6.3	31.0	8.1	255	34	0.092	300
NC-15B-N	16.7	7.7	6.6	36.9	13.5	509	47	0.118	260
NC-16C-N*	17.2	6.8	4.2	36.3	10.2	385	36	0.250	740
NC-18B-N	20.0	8.7	12.0	44.7	31.5	1435	59	0.280	320
NC-18C-N	19.7	9.4	9.5	44.7	25.2	1148	69	0.602	850
NC-18A-N**	20.0	8.7	12.0	44.7	31.5	1435	59	0.785	890
NC-19B-N***	20.8	8.3	6.6	44.1	16.6	892	54	0.340	630
NC-20S-N	22.0	10.7	11.8	49.2	36.0	1810	90	0.960	1050

Notes:

- 1) The finished core dimensions shows a nominal ones. Tolerance is  $\pm 0.2\text{mm}$ .
- 2) Nominal values of magnetic path length.
- 3) Nominal values of cross-section area.
- 4) Nominal values volume.
- 5) Nominal values of window area.
- 6) Typical value. Tolerance is  $\pm 25\%$  of its initial  $A_L$  value of each. Initial nominal inductance at 1kHz, 1Vose and room temperature.
- \* NC-16C-N have a tolerance of  $\pm 39\%$  and  $-25\%$  of its typical  $A_L$  value.
- \*\* NC-18A-N have a tolerance of  $+30\%$  and  $-20\%$  of its typical  $A_L$  value.
- \*\*\* NC-19B-N have a tolerance of  $+35\%$  and  $-20\%$  of its typical  $A_L$  value.
- 7) Typical permeability of each part number. The permeability can change to improve the characteristics without notice.