

# Standard Core Dimensions & Specifications

Car Audio/Navigation Chokes

Part No.	Finished Core (mm) <sup>1)</sup>			L <sub>eff</sub> <sup>2)</sup> (mm)	A <sub>eff</sub> <sup>3)</sup> (mm <sup>2</sup> )	V <sub>eff</sub> <sup>4)</sup> (mm <sup>3</sup> )	W <sub>a</sub> <sup>5)</sup> (mm <sup>2</sup> )	A <sub>L</sub> <sup>6)</sup> (μH)	μ <sup>7)</sup>
	OD	ID	HT						
AMCA-11S-N	12.4	5.5	6.7	27.8	8.5	240	24	0.142	370
AMCA-12S-N	14.0	6.6	6.3	31.0	8.1	255	34	0.092	300
AMCA-15B-N	16.7	7.7	6.6	36.9	13.5	509	47	0.118	260
AMCA-16C-N*	17.2	6.8	4.2	36.3	10.2	385	36	0.250	740
AMCA-18B-N	20.0	8.7	12.0	44.7	31.5	1435	59	0.280	320
AMCA-18C-N	19.7	9.4	9.5	44.7	25.2	1148	69	0.602	850
AMCA-18A-N**	20.0	8.7	12.0	44.7	31.5	1435	59	0.785	890
AMCA-19B-N***	20.8	8.3	6.6	44.1	16.6	892	54	0.340	630
AMCA-20S-N	22.0	10.7	11.8	49.2	36.0	1810	90	0.960	1050
AMCA-22A-N	23.8	9.1	8.0	49.5	26.4	1300	65	0.280	400

**Notes :**

- 1) The finished core dimentions shows a nominal ones. Tolerance is ±0.2mm.  
\*AMCA-16C-N have dimension of OD Max 17.2, ID Min 6.8, HT Max 4.2.
- 2) Nominal values of magnetic path length.
- 3) Nominal values of cross-section area.
- 4) Nominal values of volume.
- 5) Nominal values of window area.
- 6) Typical value. Tolerance is ±25% of its initial A<sub>L</sub> value of each. Initial nominal inductance at 1kHz, 1V<sub>osc</sub> and room temperature.  
\*AMCA-16C-N have a tolerance of +39% and -25% of its typical A<sub>L</sub> value.  
\*\*AMCA-18A-N have a tolerance of +30% and -20% of its typical A<sub>L</sub> value.  
\*\*\*AMCA-19B-N have a tolerance of +35% and -20% of its typical A<sub>L</sub> value.
- 7) Typical permeability of each part number. The permeability can change to improve the characteristics without notice.