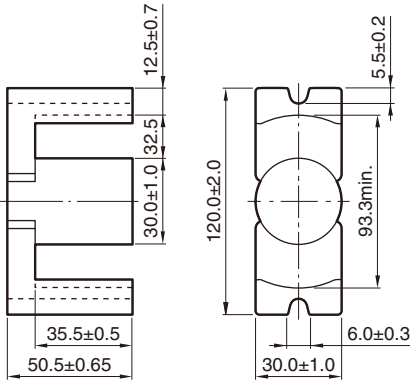


Mn-Zn EC series **Part No.: PC40 EC120X101X30**

■ SHAPES AND DIMENSIONS



Dimensions in mm

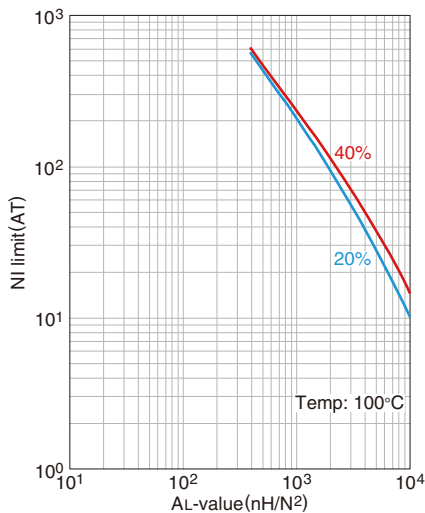
Effective parameter									Electrical characteristics
Core factor		Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional center pole area	Minimum cross-sectional area	Winding cross-sectional area	Weight (approx.)	AL-value
C_1 (mm ⁻¹)	$C_2 \times 10^{-2}$ (mm ⁻³)	l_e (mm)	A_e (mm ²)	V_e (mm ³)	A_c (mm ²)	$A_{min.}^*$ (mm ²)	A_{cw} (mm ²)	(g)	(nH/N ²) 1kHz 0.4A/m 23°C
0.3300745	0.04278	255	773	196490	707	707C*	2307	986	8025±25%

* The symbol followed A min. value shows minimum cross-sectional area part.

C is center pole part, L is outer pole part, B is the back part.

○ Calculated output power (forward converter mode): 4.5kW (100kHz)

NI limit vs. AL-value



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length

