

LOW PROFILE CHOKE

**STANDARD CORE DIMENSIONS & SPECIFICATIONS**

**C series Low Profile Choke**

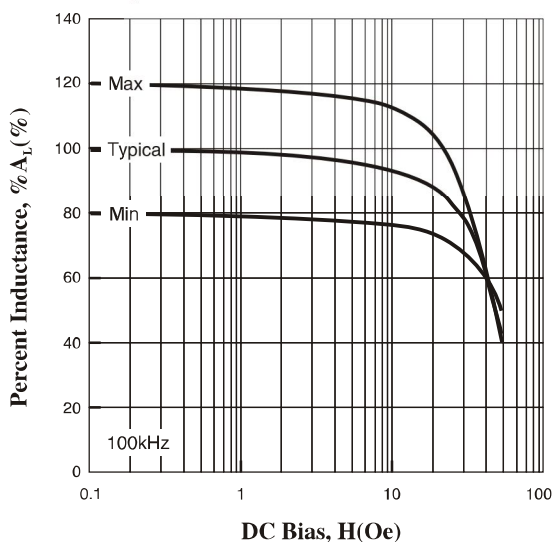
Part No.	Finished Core(mm) ①			$L_{eff}$ ② (mm)	$A_{eff}$ ③ (mm <sup>2</sup> )	$V_{eff}$ ④ (mm <sup>3</sup> )	$W_a$ ⑤ (mm <sup>2</sup> )	$A_L$ ⑥ ( $\mu$ H)	$\mu$ ⑦
	OD	ID	HT						
C0501	4.7	1.9	1.3	10.0	0.85	8.8	2.8	0.026	245
C0602	6.3	2.7	2.3	13.6	2.55	36.0	5.7	0.058	245
C0715	6.7	2.7	1.7	14.1	2.17	32.0	5.7	0.047	245
C0725	6.8	2.6	2.9	14.1	3.61	53.3	5.3	0.079	245
C0815	8.4	3.7	1.8	18.1	2.55	48.1	10.8	0.043	245
C0830	8.4	3.6	3.4	18.1	5.10	96.1	10.2	0.087	245
C1020	10.4	4.6	2.3	22.7	4.25	100.1	16.6	0.058	245
C1030	10.4	4.6	3.2	22.7	6.38	150.2	16.6	0.087	245

Notes:

- 1) The finished core dimensions shows a typical ones. Tolerance of the dimensions will be less than 0.2mm.
- 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 values. Tolerance is  $\pm 20\%$  of its initial  $A_L$  values of each. Initial nominal inductance at 100kHz, 0.1V<sub>osc</sub> and room temperature.
- 7) Typical permeability.

**TYPICAL MAGNETIC CHARACTERISTICS**

Typical DC bias characteristics



Typical core losses

