

# E Cores (9498105002)



Part Number: 9498105002

98 E CORE SET

**The E core geometry offers an economical design approach for inductive applications in a variety of power designs.**

E cores can be supplied with the center post gapped to a mechanical dimension or an  $A_L$  value.

Weight indicated is per pair or set.

Weight: 16 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.05	±0.65	0.986	—
B	12.55	±0.25	0.494	—
C	7.2	±0.30	0.283	—
D	8.95	±0.25	0.352	—
E	17.5	min	0.689	min
F	7.25	±0.25	0.285	—

**Chart Legend**

$\Sigma l / A$  : Core Constant,  $l_e$  : Effective Path Length,  $A_e$  : Effective Cross- Sectional Area,  $V_e$  : Effective Core Volume

$A_L$  : Inductance Factor

Explanation of Part Numbers: Digits 1 & 2 = product class and 3 & 4 = material grade.

Electrical Properties	
$A_L$ (nH)	1900 ±25%
$A_e$ (cm <sup>2</sup> )	0.509
$\Sigma l / A$ (cm <sup>-1</sup> )	11.4
$l_e$ (cm)	5.79
$V_e$ (cm <sup>3</sup> )	2.95
$A_{min}$ (cm <sup>2</sup> )	0.49