

# E Cores (9478101002)



Part Number: 9478101002

78 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: 4 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	16.1	±0.60	0.634	—
B	8.05	±0.20	0.317	—
C	4.5	±0.20	0.177	—
D	5.9	±0.20	0.232	—
E	11.3	min	0.445	min
F	4.55	±0.15	0.179	—

**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)	950 ±25%
$A_e$ (cm <sup>2</sup> )	0.196
$\Sigma l / A$ (cm <sup>-1</sup> )	19.3
$l_e$ (cm)	3.77
$V_e$ (cm <sup>3</sup> )	0.739
$A_{min}$ (cm <sup>2</sup> )	0.189