

E Cores (9498101002)



Part Number: 9498101002

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)	1000 ±25%
A_e (cm ²)	0.196
$\Sigma l / A$ (cm ⁻¹)	19.3
l_e (cm)	3.77
V_e (cm ³)	0.739
A_{min} (cm ²)	0.189