

# E Cores (9478102002)



Part Number: 9478102002

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.

[Catalog Drawing](#)  
[3D Model](#)

Weight indicated is per pair or set.

Weight: 1.8 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	12.7	±0.35	0.5	—
B	6.35	±0.15	0.25	—
C	3.6	±0.20	0.142	—
D	4.65	±0.15	0.183	—
E	8.8	min	0.347	min
F	3.6	±0.20	0.142	—



### Chart Legend

$\Sigma l / A$  : Core Constant,  $l_c$  : Effective Path Length,  $A_c$  : Effective Cross- Sectional Area,  $V_c$  : 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)	800 ±25%
$A_e$ (cm <sup>2</sup> )	0.127
$\Sigma l / A$ (cm <sup>-1</sup> )	23.4
$l_c$ (cm)	2.96
$V_c$ (cm <sup>3</sup> )	0.376
$A_{min}$ (cm <sup>2</sup> )	0.122