

# E Cores (9478117002)



Part Number: 9478117002

78 E CORE SET

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

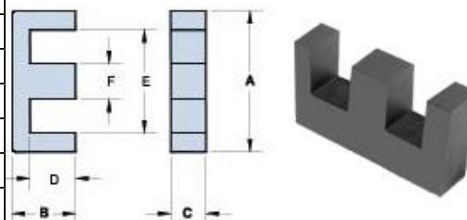
E cores can be supplied with the center post gapped to a mechanical dimension or an  $A_L$  value.

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

Weight indicated is per pair or set.

Weight: 410 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	65.2	±1.30	2.567	—
B	32.5	±0.30	1.28	—
C	26.9	±0.35	1.059	—
D	22.55	±0.35	0.888	—
E	44.2	min	1.741	min
F	19.65	±0.35	0.774	—



### 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)	7600 ±25%
$A_e$ (cm <sup>2</sup> )	5.31
$\Sigma l / A$ (cm <sup>-1</sup> )	2.8
$l_c$ (cm)	14.7
$V_c$ (cm <sup>3</sup> )	78.1
$A_{min}$ (cm <sup>2</sup> )	5.29