

# E Cores (9478114002)



Part Number: 9478114002

78 E CORE SET

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

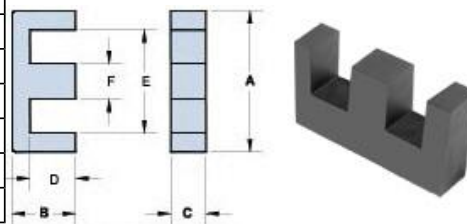
E cores can be supplied with the center post gapped to a mechanical dimension or an  $A_L$  value.

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

Weight indicated is per pair or set.

Weight: 88 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	42	±0.70	1.654	—
B	21.2	±0.30	0.835	—
C	14.9	±0.30	0.587	—
D	15.15	±0.30	0.596	—
E	29.5	min	1.162	min
F	11.9	±0.30	0.469	—



### 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)	4300 ±25%
$A_e$ (cm <sup>2</sup> )	1.77
$\Sigma l / A$ (cm <sup>-1</sup> )	5.53
$l_e$ (cm)	9.79
$V_e$ (cm <sup>3</sup> )	17.3
$A_{min}$ (cm <sup>2</sup> )	1.74