

# E Cores (9478116002)



Part Number: 9478116002

78 E CORE SET

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

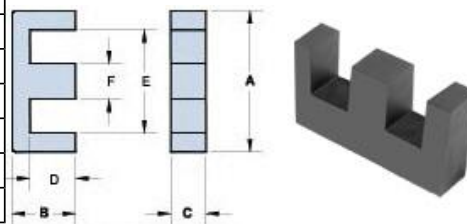
E cores can be supplied with the center post gapped to a mechanical dimension or an  $A_L$  value.

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

Weight indicated is per pair or set.


Weight: 216 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	55.15	±1.05	2.171	—
B	27.5	±0.30	1.083	—
C	20.6	±0.40	0.811	—
D	18.8	±0.30	0.74	—
E	37.5	min	1.476	min
F	16.95	±0.25	0.667	—



### 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)	6300 ±25%
$A_e$ (cm <sup>2</sup> )	3.49
$\Sigma l / A$ (cm <sup>-1</sup> )	3.5
$l_e$ (cm)	12.4
$V_e$ (cm <sup>3</sup> )	43.1
$A_{min}$ (cm <sup>2</sup> )	3.42

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