



**Fair-Rite Products Corp.**

Your Signal Solution®

# 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.

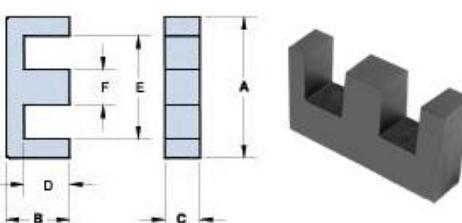
[Catalog Drawing](#)

[3D Model](#)

Weight indicated is per pair or set.

Weight: 216 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	55.15	$\pm 1.05$	2.171	—
B	27.5	$\pm 0.30$	1.083	—
C	20.6	$\pm 0.40$	0.811	—
D	18.8	$\pm 0.30$	0.74	—
E	37.5	min	1.476	min
F	16.95	$\pm 0.25$	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)	$6300 \pm 25\%$
$A_e$ (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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