



**Fair-Rite Products Corp.**

Your Signal Solution®

# E Cores (9498103002)



Part Number: 9498103002

98 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.

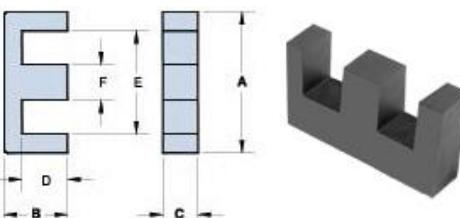
[Catalog Drawing](#)

[3D Model](#)

Weight indicated is per pair or set.

Weight: 4.6 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	19	$\pm 0.40$	0.748	—
B	8	$\pm 0.30$	0.315	—
C	4.8	$\pm 0.30$	0.189	—
D	5.75	$\pm 0.25$	0.226	—
E	13.8	min	0.544	min
F	4.5	$\pm 0.30$	0.177	—



## 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)	$1200 \pm 25\%$
$A_e$ (cm <sup>2</sup> )	0.22
$\Sigma l / A$ (cm <sup>-1</sup> )	18.1
$l_e$ (cm)	3.99
$V_e$ (cm <sup>3</sup> )	0.878
$A_{min}$ (cm <sup>2</sup> )	0.216

Fair- Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288

888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • [ferrites@fair-rite.com](mailto:ferrites@fair-rite.com) • [www.fair-rite.com](http://www.fair-rite.com)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Fair-Rite:](#)

[9498103002](#)