

Part Number: 9478102002

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: 1.8 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	12.7	± 0.35	0.5	—
B	6.35	± 0.15	0.25	—
C	3.6	± 0.20	0.142	—
D	4.65	± 0.15	0.183	—
E	8.8	min	0.347	min
F	3.6	± 0.20	0.142	—

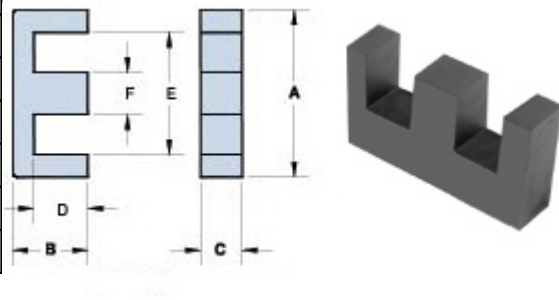


Chart Legend

$\Sigma l/A$: 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)	$800 \pm 25\%$
A_e (cm ²)	0.127
$\Sigma l/A$ (cm ⁻¹)	23.4
l_e (cm)	2.96

Electrical Properties	
$V_e(\text{cm}^3)$	0.376
$A_{\min}(\text{cm}^2)$	0.122

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 • www.fair-rite.com