Fair-Rite Products Corp.
Your Signal Solution®

E Cores (9478105002)

Part Number: 9478105002

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: 16 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.05	±0.65	0.986	_
B	12.55	±0.25	0.494	_
C	7.2	±0.30	0.283	_
D	8.95	±0.25	0.352	_
E	17.5	min	0.689	min
F	7.25	±0.25	0.285	_

Chart Legend
Σl/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)	1800 ±25%
Ae(cm^2)	0.509
Σl/A(cm^{-1})	11.4
l_e(cm)	5.79
V_e(cm^3)	2.95
A_{min}(cm^2)	0.49

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