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	±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
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)	6300 ±25%
Ae(cm^2)	3.49
Σl/A(cm^{-1})	3.5
l_e(cm)	12.4
V_e(cm^3)	43.1
A_{min}(cm^2)	3.42

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