Fair-Rite Products Corp.
Your Signal Solution®

E Cores (9478114002)

Part Number: 9478114002

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: 88 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	42	±0.70	1.654	_
B	21.2	±0.30	0.835	_
C	14.9	±0.30	0.587	_
D	15.15	±0.30	0.596	_
E	29.5	min	1.162	min
F	11.9	±0.30	0.469	_

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)	4300 ±25%
Ae(cm^2)	1.77
Σl/A(cm^{-1})	5.53
l_e(cm)	9.79
V_e(cm^3)	17.3
A_{min}(cm^2)	1.74

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