Fair-Rite Products Corp.
Your Signal Solution®

E Cores (9478103002)

Part Number: 9478103002

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: 4.6 (g)

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

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)	1150 ±25%
Ae(cm^2)	0.22
Σl/A(cm^{-1})	18.1
l_e(cm)	3.99
V_e(cm^3)	0.878
A_{min}(cm^2)	0.216

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