

Part Number: 9478111002

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: 40.2 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	33	±0.60	1.299	—
B	14	±0.30	0.551	—
C	12.7	±0.30	0.5	—
D	9.6	±0.30	0.378	—
E	22.8	min	0.898	min
F	9.7	±0.30	0.382	—

### 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)	4000 ±25%
$A_e$ (cm <sup>2</sup> )	1.19
$\Sigma l/A$ (cm <sup>-1</sup> )	5.6
$l_e$ (cm)	6.65
$V_e$ (cm <sup>3</sup> )	7.9
$A_{min}$ (cm <sup>2</sup> )	1.12

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