

Part Number: 9478115002

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: 112 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	42	±0.70	1.654	—
B	21.2	±0.30	0.835	—
C	19.85	±0.35	0.781	—
D	15.15	±0.30	0.596	—
E	29.5	min	1.162	min
F	11.9	±0.30	0.469	—

### 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)	5200 ±25%
$A_e$ (cm <sup>2</sup> )	2.35
$\Sigma l/A$ (cm <sup>-1</sup> )	4.17
$l_e$ (cm)	9.79
$V_e$ (cm <sup>3</sup> )	23.1
$A_{min}$ (cm <sup>2</sup> )	2.31

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