

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

$\Sigma l/A$: 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)	6300 ±25%
A_e (cm ²)	3.49
$\Sigma l/A$ (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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