

E Cores (9478105002)



Part Number: 9478105002

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.

Weight indicated is per pair or set.

Weight: 16 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.05	±0.65	0.986	—
B	12.55	±0.25	0.494	—
C	7.2	±0.30	0.283	—
D	8.95	±0.25	0.352	—
E	17.5	min	0.689	min
F	7.25	±0.25	0.285	—

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)	1800 ±25%
A_e (cm ²)	0.509
$\Sigma l / A$ (cm ⁻¹)	11.4
l_e (cm)	5.79
V_e (cm ³)	2.95
A_{min} (cm ²)	0.49