

E Cores (9478117002)



Part Number: 9478117002

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: 410 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	65.2	±1.30	2.567	—
B	32.5	±0.30	1.28	—
C	26.9	±0.50	1.059	—
D	22.55	±0.35	0.888	—
E	44.2	min	1.74	min
F	19.65	±0.35	0.774	—

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)	7600 ±25%
A_e (cm ²)	5.31
$\Sigma l / A$ (cm ⁻¹)	2.8
l_e (cm)	14.7
V_e (cm ³)	78.1
A_{min} (cm ²)	5.29