

E Cores (9478111002)



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.

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	<input type="checkbox"/>
B	14	±0.30	0.551	<input type="checkbox"/>
C	12.7	±0.30	0.5	<input type="checkbox"/>
D	9.6	±0.30	0.378	<input type="checkbox"/>
E	22.8	min	0.898	min
F	9.7	±0.30	0.382	<input type="checkbox"/>

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 ²)	1.19
$\Sigma l / A$ (cm ⁻¹)	5.6
l_e (cm)	6.65
V_e (cm ³)	7.9
A_{min} (cm ²)	1.12