

E Cores (9478103002)



Part Number: 9478103002

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: 4.6 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	19	±0.40	0.748	—
B	8	±0.30	0.315	—
C	4.8	±0.30	0.189	—
D	5.75	±0.25	0.226	—
E	13.8	min	0.543	min
F	4.5	±0.30	0.177	—

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)	1150 ±25%
A_e (cm ²)	0.22
$\Sigma l / A$ (cm ⁻¹)	18.1
l_e (cm)	3.99
V_e (cm ³)	0.878
A_{min} (cm ²)	0.216