

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.

[Catalog Drawing](#)
[3D Model](#)

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 | — |

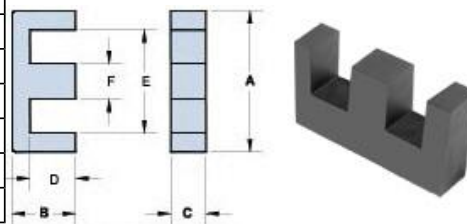


Chart Legend

$\Sigma l / A$: 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 |

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