

E Cores (9478101002)



Part Number: 9478101002

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: 4 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 16.1 | ±0.60 | 0.634 | — |
| B | 8.05 | ±0.20 | 0.317 | — |
| C | 4.5 | ±0.20 | 0.177 | — |
| D | 5.9 | ±0.20 | 0.232 | — |
| E | 11.3 | min | 0.445 | min |
| F | 4.55 | ±0.15 | 0.179 | — |

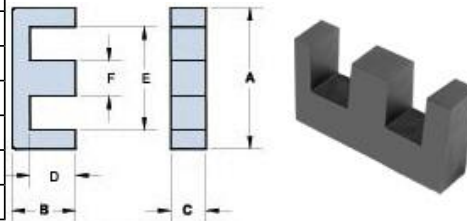



Chart Legend

$\Sigma l / A$: 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) | 950 ±25% |
| A_e (cm ²) | 0.196 |
| $\Sigma l / A$ (cm ⁻¹) | 19.3 |
| l_e (cm) | 3.77 |
| V_e (cm ³) | 0.739 |
| A_{min} (cm ²) | 0.189 |

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