

E Cores (9498115002)



Part Number: 9498115002

98 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: 112 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A | 42 | ±0.70 | 1.654 | — |
| B | 21.2 | ±0.30 | 0.835 | — |
| C | 19.85 | ±0.35 | 0.781 | — |
| D | 15.15 | ±0.30 | 0.596 | — |
| E | 29.5 | min | 1.162 | min |
| F | 11.9 | ±0.30 | 0.469 | — |

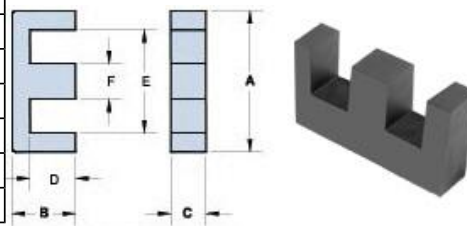



Chart Legend

$\Sigma l / A$: 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) | 5200 ±25% |
| A_e (cm ²) | 2.35 |
| $\Sigma l / A$ (cm ⁻¹) | 4.17 |
| l_e (cm) | 9.79 |
| V_e (cm ³) | 23.1 |
| A_{min} (cm ²) | 2.31 |

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