

## 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.**

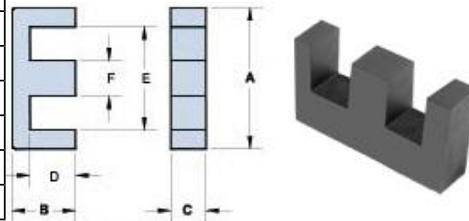
E cores can be supplied with the center post gapped to a mechanical dimension or an  $A_L$  value.

[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 <sup>2</sup> )           | 0.196    |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 19.3     |
| $l_e$ (cm)                         | 3.77     |
| $V_e$ (cm <sup>3</sup> )           | 0.739    |
| $A_{min}$ (cm <sup>2</sup> )       | 0.189    |