

# E Cores (9498103002)



Part Number: 9498103002

98 E CORE SET

**The E core geometry offers an economical design approach for inductive applications in a variety of power designs.**

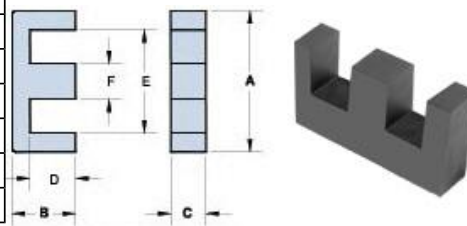
E cores can be supplied with the center post gapped to a mechanical dimension or an  $A_L$  value.

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

Weight indicated is per pair or set.


Weight: 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    | 0.544        | min        |
| F   | 4.5  | ±0.30  | 0.177        | —          |



### Chart Legend

$\Sigma l / A$  : Core Constant,  $l_c$  : Effective Path Length,  $A_c$  : Effective Cross- Sectional Area,  $V_c$  : 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)                         | 1200 ±25% |
| $A_e$ (cm <sup>2</sup> )           | 0.22      |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 18.1      |
| $l_c$ (cm)                         | 3.99      |
| $V_c$ (cm <sup>3</sup> )           | 0.878     |
| $A_{min}$ (cm <sup>2</sup> )       | 0.216     |