

## EER Cores (9595424402)



Part Number: 9595424402

95 EER CORE SET

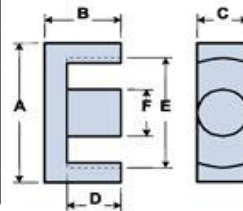
**EER cores, similar to ETD cores, have been designed to make optimum use of a given volume of ferrite material for maximum throughput power. The structure, which includes a round center post, approaches a nearly uniform cross-sectional area throughout the core and provides a winding area that minimizes winding losses.**

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

Weight indicated is per pair or set.

Weight: 96 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 42   | ± 0.70 | 1.654        | —          |
| B   | 22   | ± 0.20 | 0.866        | —          |
| C   | 15.2 | ± 0.35 | 0.598        | —          |
| D   | 15.4 | ± 0.20 | 0.606        | —          |
| E   | 30.5 | min    | 1.201        | min        |
| F   | 15.2 | ± 0.35 | 0.598        | —          |



### 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)                         | 5900 ±25% |
| $A_e$ (cm <sup>2</sup> )           | 1.87      |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 5.2       |
| $l_e$ (cm)                         | 9.79      |
| $V_e$ (cm <sup>3</sup> )           | 18.26     |
| $A_{min}$ (cm <sup>2</sup> )       | 1.81      |

$A_L$  value is measured at 1 kHz,  $B < 10$  gauss.