

Part Number: 9578293202

78 ETD CORE SET

ETD cores have been designed to make optimum use of a given volume of ferrite material for maximum throughput power, specifically for forward converter transformers. 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. ETD cores are used mainly in switched-mode power supplies and permit off-line designs where IEC and VDE isolation requirements must be met.

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

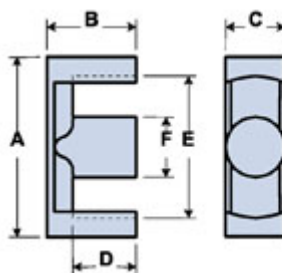
[Catalog Drawing](#)

[3D Model](#)

Weight indicated is per pair or set.

Weight: 28 (g)

| Dim | mm    | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A   | 29.8  | ± 0.60 | 1.173        | —          |
| B   | 15.8  | ± 0.20 | 0.622        | —          |
| C   | 9.5   | ± 0.30 | 0.374        | —          |
| D   | 11    | ± 0.20 | 0.433        | —          |
| E   | 22.00 | min    | 0.867        | min        |
| F   | 9.5   | ± 0.30 | 0.374        | —          |



## 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)            | 2200 ±25% |

| Electrical Properties        |       |
|------------------------------|-------|
| $A_e(\text{cm}^2)$           | 0.767 |
| $\Sigma l/A(\text{cm}^{-1})$ | 9.5   |
| $l_e(\text{cm})$             | 7.07  |
| $V_e(\text{cm}^3)$           | 5.418 |
| $A_{\min}(\text{cm}^2)$      | 0.709 |

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

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