Fair-Rite Products Corp.
Your Signal Solution®

# ETD Cores (9598343502)

Part Number: 9598343502

98 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: 40 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|---|---|---|---|---|
| A | 34.2 | ± 0.65 | 1.346 | _ |
| B | 17.3 | ± 0.20 | 0.681 | _ |
| C | 10.8 | ± 0.30 | 0.425 | _ |
| D | 12.1 | ± 0.20 | 0.476 | _ |
| E | 25.6 | min | 1.008 | min |
| F | 10.8 | ± 0.30 | 0.425 | _ |

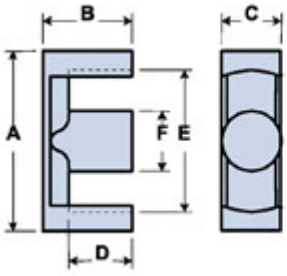


**Chart Legend**
Σl/A : Core Constant, $l_e$ : Effective Path Length, $A_e$ : Effective Cross-Sectional Area, $V_e$ : Effective Core Volume
$A_L$ : Inductance Factor
Explanation of Part Numbers: Digits 1 & 2 = product class and 3 & 4 = material grade.

| Electrical Properties | |
|---|---|
| $A_L$(nH) | 2600 ±25% |

| Electrical Properties | |
|---|---|
| Ae($cm^2$) | 0.972 |
| Σl/A($cm^{-1}$) | 8.2 |
| $l_e$(cm) | 7.9 |
| $V_e$($cm^3$) | 7.68 |
| $A_{min}$($cm^2$) | 0.916 |

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

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