Fair-Rite Products Corp.
Your Signal Solution®

ETD Cores (9595394002)

Part Number: 9595394002

95 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: 60 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	39.1	± 0.70	1.539	_
B	19.8	± 0.20	0.78	_
C	12.7	± 0.35	0.5	_
D	14.6	± 0.20	0.575	_
E	29.3	min	1.154	min
F	12.7	± 0.35	0.5	_

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)	3600 ±25%
Ae(cm^2)	1.28

Electrical Properties	
$\Sigma l/A(cm^{-1})$	7.2
$l_e(cm)$	9.24
$V_e(cm^3)$	11.85
$A_{min}(cm^2)$	1.267

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

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