Fair-Rite Products Corp.
Your Signal Solution®

ETD Cores (9595606002*)

Part Number: 9595606002

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.

Weight indicated is per pair or set.

Weight: 274 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	59.8	± 1.00	2.354	_
B	30	± 0.25	1.181	_
C	21.7	± 0.40	0.854	_
D	22.55	± 0.25	0.888	_
E	43.6	min	1.717	min
F	21.7	± 0.40	0.854	_

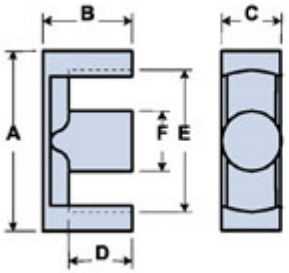

Chart Legend
$\Sigma l/A$: Core Constant, l_e : Effective Path Length, A_e : Effective Cross-Sectional Area, V_e : Effective Core Volume
A_L : Inductance Factor
Explanation of Part Numbers: Digits 1 & 2 = product class and 3 & 4 = material grade.

Electrical Properties	
A_L(nH)	8430 ±25%
Ae(cm^2)	3.57
$\Sigma l/A$(cm^{-1})	3.9
l_e(cm)	13.87

Electrical Properties	
$V_e(cm^3)$	49.52
$A_{min}(cm^2)$	3.23

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

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com