Fair-Rite Products Corp.
Your Signal Solution®

ETD Cores (9578494902*)

Part Number: 9578494902

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.

Weight indicated is per pair or set.

Weight: 124 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	49	± 0.80	1.929	_
B	24.7	± 0.20	0.972	_
C	16.3	± 0.40	0.642	_
D	18.1	± 0.20	0.713	_
E	36.1	min	1.422	min
F	16.3	± 0.40	0.642	_

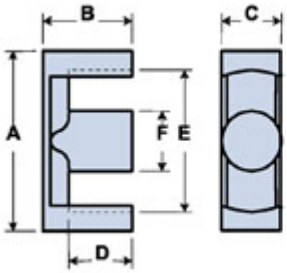

Chart Legend
$\Sigma l/A$: Core Constant, l_e : Effective Path Length, A_e : Effective Cross-Sectional Area, V_e : Effective Core Volume
A_L : Inductance Factor
Explanation of Part Numbers: Digits 1 & 2 = product class and 3 & 4 = material grade.

Electrical Properties	
A_L(nH)	4000 ±25%
Ae(cm^2)	2.135
$\Sigma l/A$(cm^{-1})	5.3
l_e(cm)	11.44

Electrical Properties	
$V_e(cm^3)$	24.42
$A_{min}(cm^2)$	2.09

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

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