Fair-Rite Products Corp.
Your Signal Solution®

ETD Cores (9595444502)

Part Number: 9595444502

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: 94 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	44	± 0.75	1.732	_
B	22.3	± 0.20	0.878	_
C	14.8	± 0.35	0.583	_
D	16.5	± 0.20	0.65	_
E	32.5	min	1.28	min
F	14.8	± 0.35	0.583	_

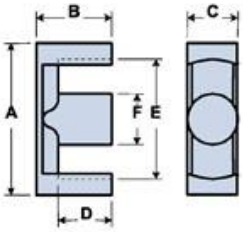


Chart Legend
Σl/ A : Core Constant, l_e : Effective Path Length, A_e : Effective Cross- Sectional Area, V_e : Effective Core Volume
A_L : Inductance Factor
Explanation of Part Numbers: Digits 1 & 2 = product class and 3 & 4 = material grade.

Electrical Properties	
A_L(nH)	5100 ±25%
Ae(cm^2)	1.73
Σl/ A(cm^{-1})	6
l_e(cm)	10.35
V_e(cm^3)	17.94
A_{min}(cm^2)	1.717

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

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