

ETD Cores (9598394002)



Part Number: 9598394002

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 A₁ 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	_
В	19.8	± 0.20	0.78	_
C	12.7	± 0.35	0.5	_
D	14.6	± 0.20	0.575	_
Е	29.3	min	1.154	min
F	12.7	± 0.35	0.5	_

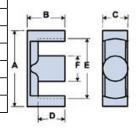


Chart Legend

 $\Sigma l/A$: Core Constant, l_e : Effective Path Length, A_e : Effective Cross- Sectional Area, V_e

Effective Core Volume
A, : Inductance Factor

Explanation of Part Numbers: Digits 1 & 2 = product class and 3 & 4 = material grade.

Electrical Properties			
$A_L(nH)$	$3000 \pm 25\%$		
Ae(cm ²)	1.28		
$\Sigma l/A(cm^{-1})$	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

888-324-7748