

ETD Cores (9598293202)



Part Number: 9598293202

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.

 \Box ETD cores can be supplied with the center post gapped to a mechanical dimension or an A₁ value.

Weight indicated is per pair or set.

Weight: 28 (g)

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	weight	<u>.</u> 20 (g)				
	Dim	mm	mm tol	nominal inch	inch misc.	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	A	29.8	± 0.60	1.173	_	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	В	15.8	± 0.20	0.622	_	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	9.5	± 0.30	0.374	_	
	D	11	± 0.20	0.433	_	Σ l/ A : Core Constant, l_e : Effective Path Length, A_e : Effective Cross- Sectional Area,
9.5 \(\pm 0.30\) 0.374 \(\pm \) Effective Core Volume	E	22	min	0.866	min	
Inductance Factor	7	9.5	± 0.30	0.374		
xplanation of Part Numbers: Digits 1 & 2 = product class and 3 & 4 = material grade.	A _L :	Induct	tance Facto	or _		— Effective Core volume
	Explar	nation o	f Part Nur	nbers: Digits 1 & 2	= product class a	nd 3 & 4 = material grade.

Electrical Properties						
$A_L(nH)$	2200 ±25%					
Ae(cm ²)	0.767					
$\Sigma l/A(cm^{-1})$	9.5					
$l_e(cm)$	7.07					
$V_e(cm^3)$	5.418					
$A_{min}(cm^2)$	0.709					

A₁ value is measured at 1 kHz, B < 10 gauss

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