



ETD Cores (9578293202)



Part Number: 9578293202

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.

[Catalog Drawing](#)

[3D Model](#)

Weight indicated is per pair or set.

Weight: 28 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	29.8	± 0.60	1.173	—
B	15.8	± 0.20	0.622	—
C	9.5	± 0.30	0.374	—
D	11	± 0.20	0.433	—
E	22.00	min	0.867	min
F	9.5	± 0.30	0.374	—

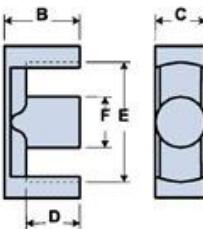


Chart Legend

$\Sigma l / A$: 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)	$2200 \pm 25\%$
A_e (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

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