

EER Cores (9578495402)



Part Number: 9578495402

78 EER CORE SET

EER cores, similar to ETD cores, have been designed to make optimum use of a given volume of ferrite material for maximum throughput power. 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.

EER 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: 158 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	49	± 0.80	1.929	—
B	27	± 0.20	1.063	—
C	17.2	± 0.35	0.677	—
D	18.7	± 0.20	0.736	—
E	36.5	min	1.438	min
F	17.2	± 0.35	0.677	—

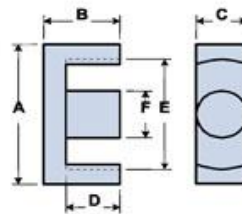


Chart Legend

$\Sigma l / A$: 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)	4200 ±25%
A_e (cm ²)	2.45
$\Sigma l / A$ (cm ⁻¹)	4.8
l_e (cm)	11.8
V_e (cm ³)	29.02
A_{min} (cm ²)	2.32

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