

# EER Cores (9578283402)



Part Number: 9578283402

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.

Weight indicated is per pair or set.

Weight: 32 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	28.5	± 0.60	1.122	—
B	16.9	± 0.20	0.665	—
C	11.4	± 0.30	0.449	—
D	12.5	± 0.20	0.492	—
E	21.2	min	0.835	min
F	9.9	± 0.30	0.39	—



### 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)	2600 ±25%
$A_e$ (cm <sup>2</sup> )	0.852
$\Sigma l / A$ (cm <sup>-1</sup> )	8.7
$l_e$ (cm)	7.44
$V_e$ (cm <sup>3</sup> )	6.337
$A_{min}$ (cm <sup>2</sup> )	0.77

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

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