

Part Number: 9578354202

78 EER CORE SET

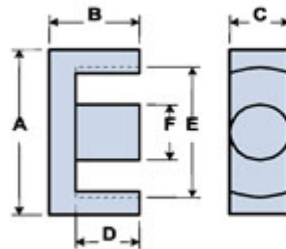
**EER cores, similar to ETD cores, have been designed to make optimum use of a given volume of ferrite material for maximum throughput power. The structure, which includes a round center post, approaches a nearly uniform cross-sectional area throughout the core and provides a winding area that minimizes 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: 46 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	35	± 0.65	1.378	—
B	21	± 0.20	0.827	—
C	11.3	± 0.30	0.445	—
D	15	± 0.20	0.591	—
E	25.3	min	0.997	min
F	11.3	± 0.30	0.445	—



### 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> )	1.11
$\Sigma l/A$ (cm <sup>-1</sup> )	8.2
$l_e$ (cm)	9.11
$V_e$ (cm <sup>3</sup> )	10.14

Electrical Properties	
$A_{\min}(\text{cm}^2)$	1

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

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288  
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • [ferrites@fair-rite.com](mailto:ferrites@fair-rite.com) • [www.fair-rite.com](http://www.fair-rite.com)