Fair-Rite Products Corp.
Your Signal Solution®

EER Cores (9578282802)

Part Number: 9578282802

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: 28 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	28.5	± 0.60	1.122	_
B	14	± 0.20	0.551	_
C	11.4	± 0.30	0.449	_
D	9.6	± 0.20	0.378	_
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)	2800 ±25%
Ae(cm^2)	0.859
$\Sigma l/A$(cm^{-1})	7.3
l_e(cm)	6.29

Electrical Properties	
$V_e(cm^3)$	5.398
$A_{min}(cm^2)$	0.77

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

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