Fair-Rite Products Corp.
Your Signal Solution®

EER Cores (9578404602)

Part Number: 9578404602

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: 80 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	40	± 0.70	1.575	_
B	22.9	± 0.30	0.902	_
C	13.3	± 0.30	0.524	_
D	15.9	± 0.30	0.626	_
E	29.5	min	1.162	min
F	13.3	± 0.30	0.524	_

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)	3400 ±25%
Ae(cm^2)	1.44
$\Sigma l/A$(cm^{-1})	6.9
l_e(cm)	10

Electrical Properties	
$V_e(cm^3)$	14.42
$A_{min}(cm^2)$	1.3

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 • www.fair-rite.com