Fair-Rite Products Corp.
Your Signal Solution®

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%
Ae(cm^2)	2.45
$\Sigma l/A$(cm^{-1})	4.8
l_e(cm)	11.8

Electrical Properties	
$V_e(cm^3)$	29.02
$A_{min}(cm^2)$	2.32

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

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