Fair-Rite Products Corp.
Your Signal Solution®

EER Cores (9578424402)

Part Number: 9578424402

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: 96 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	42	± 0.70	1.654	_
B	22	± 0.20	0.866	_
C	15.2	± 0.35	0.598	_
D	15.4	± 0.20	0.606	_
E	30.5	min	1.201	min
F	15.2	± 0.35	0.598	_

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)	4000 ±25%
Ae(cm^2)	1.87
$\Sigma l/A$(cm^{-1})	5.2
l_e(cm)	9.79
V_e(cm^3)	18.26
A_{min}(cm^2)	1.81

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

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