

# 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%
$A_e$ (cm <sup>2</sup> )	1.87
$\Sigma l / A$ (cm <sup>-1</sup> )	5.2
$l_e$ (cm)	9.79
$V_e$ (cm <sup>3</sup> )	18.26
$A_{min}$ (cm <sup>2</sup> )	1.81

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