

Part Number: 6595200121

95 EP CORE SET

EP designs reduce the effect of residual air gap upon the effective permeability of the core, hence they minimize coil volume for a given inductance. EP cores also provide a high degree of isolation from adjacent components and are advantageously used in low power devices, matching and broadband transformers.

EP cores can be supplied with the center post gapped to a mechanical dimension or an A_L value.

[Catalog Drawing](#)
[3D Model](#)

Weight indicates is per pair or set.

Weight: 13.5 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	24	± 0.50	0.945	—
B	10.7	± 0.20	0.421	—
C	15	± 0.40	0.591	—
D	7.2	± 0.20	0.283	—
E	16.5	± 0.40	0.65	—
F	8.8	± 0.20	0.346	—
K	4.70	min	0.185	—

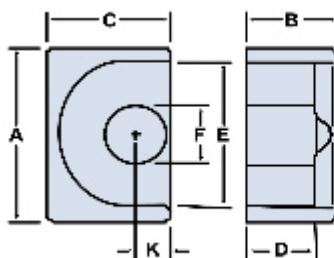


Chart Legend

$\Sigma l/A$: 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)	5000 ±25%
A_e (cm ²)	0.789
$\Sigma l/A$ (cm ⁻¹)	4.8

Electrical Properties	
$l_e(\text{cm})$	3.76
$V_e(\text{cm}^3)$	2.96
$A_{\min}(\text{cm}^2)$	0.6

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