

Part Number: 6578130121

78 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.

Weight indicates is per pair or set.

Weight: 2.35 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	12.5	± 0.30	0.492	-
B	6.5	± 0.30	0.256	-
C	8.8	± 0.20	0.346	-
D	4.7	± 0.20	0.185	-
E	10	± 0.30	0.394	-
F	4.4	± 0.20	0.173	-
K	2.5	min	0.098	-

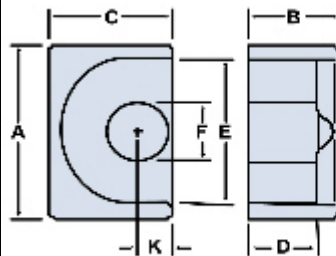


Chart Legend

$\Sigma l/A$: 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)	1600 ±25%
A_e (cm ²)	0.197
$\Sigma l/A$ (cm ⁻¹)	11.8
l_e (cm)	2.32
V_e (cm ³)	0.457

Electrical Properties	
$A_{\min}(\text{cm}^2)$	0.148

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

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