

Part Number: 6578170121

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.

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

Weight indicates is per pair or set.

Weight: 6 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 18.1 | ± 0.40 | 0.713 | - |
| B | 8.4 | ± 0.40 | 0.331 | - |
| C | 11 | ± 0.30 | 0.433 | - |
| D | 5.7 | ± 0.20 | 0.224 | - |
| E | 12 | ± 0.40 | 0.472 | - |
| F | 5.7 | ± 0.20 | 0.224 | - |
| K | 3.45 | min | 0.136 | - |

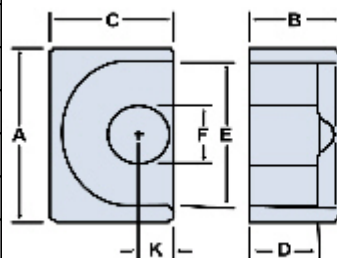


Chart Legend

$\Sigma l/A$: 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) | 2250 ±25% |
| A_e (cm ²) | 0.336 |
| $\Sigma l/A$ (cm ⁻¹) | 8 |

| Electrical Properties | |
|------------------------------|-------|
| l_e (cm) | 2.68 |
| V_e (cm ³) | 0.899 |
| A_{min} (cm ²) | 0.252 |

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

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