

EP Cores (6595100121)



Part Number: 6595100121

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.

Weight indicates is per pair or set.

Weight: 1.4 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 11.5 | ± 0.30 | 0.453 | — |
| B | 5.1 | ± 0.20 | 0.201 | — |
| C | 7.7 | ± 0.20 | 0.303 | — |
| D | 3.8 | ± 0.20 | 0.15 | — |
| E | 9.4 | ± 0.20 | 0.37 | — |
| F | 3.3 | ± 0.20 | 0.13 | — |
| K | 1.95 | min | 0.077 | — |

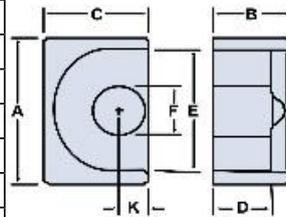


Chart Legend

$\Sigma l / A$: 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) | 1200 ±25% |
| A_e (cm ²) | 0.11 |
| $\Sigma l / A$ (cm ⁻¹) | 16.8 |
| l_e (cm) | 1.85 |
| V_e (cm ³) | 0.203 |
| A_{min} (cm ²) | 0.085 |

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