

EP Cores (6598130121)



Part Number: 6598130121

98 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 | — |

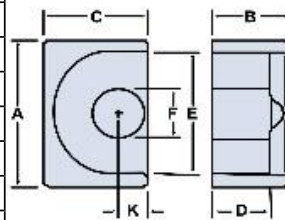



Chart Legend

$\Sigma l / A$: 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) | 1650 ±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 |
| A_{min} (cm ²) | 0.148 |

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