

EFD Cores (8978101021)



Part Number: 8978101021

78 EFD CORE SET

EFD (Economical Flat Design) cores have been designed to maximize volume in a low profile geometry. EFD cores allow maximum throughput power density with reasonably low mass for board level installation.

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

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

Weight indicated is per pair or set.

Weight: 0.9 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 10.5 | ± 0.30 | 0.413 | — |
| B | 5.2 | ± 0.15 | 0.205 | — |
| C | 2.7 | ± 0.20 | 0.106 | — |
| D | 3.75 | ± 0.15 | 0.148 | — |
| E | 7.65 | ± 0.30 | 0.301 | — |
| F | 4.55 | ± 0.20 | 0.179 | — |
| K | 1.45 | ± 0.10 | 0.057 | — |



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) | 530 ±25% |
| A_e (cm ²) | 0.072 |
| $\Sigma l / A$ (cm ⁻¹) | 32.7 |
| l_e (cm) | 2.36 |
| V_e (cm ³) | 0.171 |
| A_{min} (cm ²) | 0.066 |

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