

## EFD Cores (8978303021)



Part Number: 8978303021

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.**

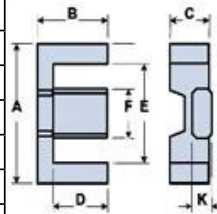
EFD cores can be supplied with the center post gapped to a mechanical dimension or an  $A_L$  value.

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

Weight indicated is per pair or set.

Weight: 24 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 30   | ± 0.80 | 1.181        | —          |
| B   | 15   | ± 0.25 | 0.591        | —          |
| C   | 9.1  | ± 0.30 | 0.358        | —          |
| D   | 11.2 | ± 0.30 | 0.441        | —          |
| E   | 22.4 | ± 0.75 | 0.882        | —          |
| F   | 14.6 | ± 0.30 | 0.575        | —          |
| K   | 4.9  | ± 0.20 | 0.193        | —          |



### 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)                         | 2100 ±25% |
| $A_e$ (cm <sup>2</sup> )           | 0.69      |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 11.3      |
| $l_e$ (cm)                         | 6.93      |
| $V_e$ (cm <sup>3</sup> )           | 4.26      |
| $A_{min}$ (cm <sup>2</sup> )       | 0.66      |

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