

## EFD Cores (8978151521)

Part Number: 8978151521

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.**

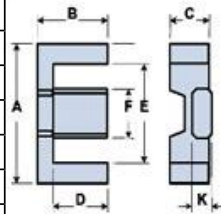
EFD cores can be supplied with the center post gapped to a mechanical dimension or an  $A_L$  value.

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

Weight indicated is per pair or set.

Weight: 2.8 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 15   | ± 0.40 | 0.591        | —          |
| B   | 7.5  | ± 0.15 | 0.295        | —          |
| C   | 4.65 | ± 0.20 | 0.183        | —          |
| D   | 5.5  | ± 0.15 | 0.217        | —          |
| E   | 11   | ± 0.40 | 0.433        | —          |
| F   | 5.3  | ± 0.20 | 0.209        | —          |
| K   | 2.4  | ± 0.10 | 0.094        | —          |



### 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)                         | 880 ±25% |
| $A_e$ (cm <sup>2</sup> )           | 0.154    |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 22.3     |
| $l_e$ (cm)                         | 3.44     |
| $V_e$ (cm <sup>3</sup> )           | 0.531    |
| $A_{min}$ (cm <sup>2</sup> )       | 0.127    |

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