

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 <sup>2</sup> )	0.072
$\Sigma l/A$ (cm <sup>-1</sup> )	32.7
$l_e$ (cm)	2.36

Electrical Properties	
$V_e(\text{cm}^3)$	0.171
$A_{\text{min}}(\text{cm}^2)$	0.066

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

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