

# 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.

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)	2800 ±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.