

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.