Fair-Rite Products Corp.
Your Signal Solution®

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%
Ae(cm^2)	0.072
$\Sigma l/A$(cm^{-1})	32.7
l_e(cm)	2.36

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

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

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com