Fair-Rite Products Corp.
Your Signal Solution®

EFD Cores (8978202021)

Part Number: 8978202021

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: 7 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	20	± 0.55	0.787	_
B	10	± 0.25	0.394	_
C	6.65	± 0.20	0.262	_
D	7.7	± 0.25	0.303	_
E	15.4	± 0.50	0.606	_
F	8.9	± 0.30	0.35	_
K	3.6	± 0.15	0.142	_

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)	1200 ±25%
Ae(cm^2)	0.31
$\Sigma l/A$(cm^{-1})	15.6
l_e(cm)	4.74

Electrical Properties	
$V_e(cm^3)$	1.44
$A_{min}(cm^2)$	0.29

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

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