Fair-Rite Products Corp.
Your Signal Solution®

# EFD Cores (8998303021)

Part Number: 8998303021

98 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: 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) | 2150 ±25% |
| Ae($cm^2$) | 0.69 |
| $\Sigma l/A$($cm^{-1}$) | 11.3 |
| $l_e$(cm) | 6.93 |

| Electrical Properties | |
|---|---|
| $V_e(cm^3)$ | 4.26 |
| $A_{min}(cm^2)$ | 0.66 |

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

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