

## RM Cores (6298420121)

Part Number: 6298420121

98 RM CORE SET

RM (Rectangular Modulus) cores allow better shielding than E type geometries while also providing easier winding accessibility and better power dissipation than a pot core configuration. Fair-Rite's standard RM cores all have a solid center post and standard height, low profile and alternate materials are available upon request.

□ RM 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: 69 (g)

| Dim | mm    | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A   | 41.6  | ± 0.60 | 1.638        | —          |
| B   | 15.05 | ± 0.10 | 0.593        | —          |
| C   | 18.7  | ± 0.30 | 0.736        | —          |
| D   | 10.55 | ± 0.20 | 0.415        | —          |
| E   | 29.5  | ± 0.50 | 1.161        | —          |
| F   | 14.75 | ± 0.25 | 0.581        | —          |
| G   | 17    | min    | 0.670        | min        |
| J   | 34.15 | ± 0.65 | 1.344        | —          |

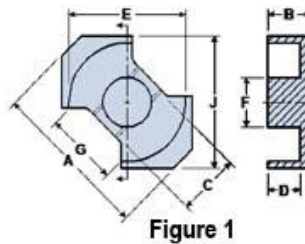


Figure 1

### 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)                         | 6200 ±25% |
| $A_e$ (cm <sup>2</sup> )           | 1.95      |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 3.8       |
| $l_e$ (cm)                         | 7.38      |
| $V_e$ (cm <sup>3</sup> )           | 14.37     |
| $A_{min}$ (cm <sup>2</sup> )       | 1.709     |

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

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