

# RM Cores (6295280121)

Part Number: 6295280121

95 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: 22 (g)

| Dim | mm    | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A   | 27.8  | ± 0.60 | 1.094        | —          |
| B   | 9.3   | ± 0.15 | 0.366        | —          |
| C   | 13.25 | ± 0.25 | 0.522        | —          |
| D   | 6.4   | ± 0.20 | 0.252        | —          |
| E   | 21.65 | ± 0.45 | 0.852        | —          |
| F   | 10.65 | ± 0.20 | 0.419        | —          |
| G   | 12.5  | min    | 0.493        | min        |
| J   | 24.15 | ± 0.55 | 0.951        | —          |



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)                         | 4900 ±25% |
| $A_e$ (cm <sup>2</sup> )           | 0.898     |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 5.3       |
| $l_e$ (cm)                         | 4.79      |
| $V_e$ (cm <sup>3</sup> )           | 4.306     |
| $A_{min}$ (cm <sup>2</sup> )       | 0.884     |

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

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