

## RM Cores (6298370121)

Part Number: 6298370121

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: 46 (g)

| Dim | mm    | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A   | 36.75 | ± 0.75 | 1.447        | —          |
| B   | 12.25 | ± 0.15 | 0.482        | —          |
| C   | 15.85 | ± 0.25 | 0.624        | —          |
| D   | 8.55  | ± 0.20 | 0.337        | —          |
| E   | 25.45 | ± 0.55 | 1.002        | —          |
| F   | 12.6  | ± 0.20 | 0.496        | —          |
| G   | 13.4  | min    | 0.528        | min        |
| J   | 29.2  | ± 0.60 | 1.15         | —          |

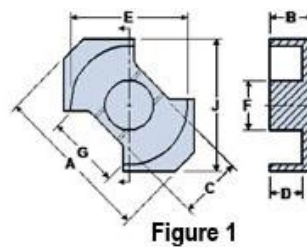


Figure 1

### 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)                         | 5500 ±25% |
| $A_e$ (cm <sup>2</sup> )           | 1.41      |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 4.3       |
| $l_e$ (cm)                         | 6.13      |
| $V_e$ (cm <sup>3</sup> )           | 8.675     |
| $A_{min}$ (cm <sup>2</sup> )       | 1.247     |

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