

RM Cores (6298230121)

Part Number: 6298230121

98 RM CORE

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: 13 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A | 22.75 | ± 0.45 | 0.896 | — |
| B | 8.2 | ± 0.10 | 0.323 | — |
| C | 10.8 | ± 0.20 | 0.425 | — |
| D | 5.5 | ± 0.15 | 0.217 | — |
| E | 17.3 | ± 0.30 | 0.681 | — |
| F | 8.4 | ± 0.15 | 0.331 | — |
| G | 9.8 | min | 0.386 | min |
| J | 19.1 | ± 0.40 | 0.752 | — |



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) | 3100 ±25% |
| A_e (cm ²) | 0.6 |
| $\Sigma l / A$ (cm ⁻¹) | 6.7 |
| l_e (cm) | 4.03 |
| V_e (cm ³) | 2.419 |
| A_{min} (cm ²) | 0.554 |

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

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