

RM Cores (6278280121)

Part Number: 6278280121

78 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) | 4200 ±25% |
| A_e (cm ²) | 0.898 |
| $\Sigma l / A$ (cm ⁻¹) | 5.3 |
| l_e (cm) | 4.79 |
| V_e (cm ³) | 4.306 |
| A_{min} (cm ²) | 0.884 |

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