

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	—

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

Electrical Properties	
$\Sigma l/A(\text{cm}^{-1})$	5.3
$l_e(\text{cm})$	4.79
$V_e(\text{cm}^3)$	4.306
$A_{\text{min}}(\text{cm}^2)$	0.884

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

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