

Part Number: 6278140121

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: 3.2 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	14.3	± 0.30	0.563	—
B	5.2	± 0.10	0.205	—
C	6.6	± 0.20	0.26	—
D	3.25	± 0.15	0.128	—
E	10.4	± 0.20	0.409	—
F	4.8	± 0.10	0.189	—
G	6	min	0.237	min
J	12.05	± 0.25	0.474	—

### 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)	1650 ±25%
$A_e$ (cm <sup>2</sup> )	0.233

Electrical Properties	
$\Sigma l/A(\text{cm}^{-1})$	10.3
$l_e(\text{cm})$	2.39
$V_e(\text{cm}^3)$	0.555
$A_{\text{min}}(\text{cm}^2)$	0.181

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

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