

# RM Cores (6278230121)

Part Number: 6278230121

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: 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)	3000 ±25%
$A_e$ (cm <sup>2</sup> )	0.6
$\Sigma l / A$ (cm <sup>-1</sup> )	6.7
$l_e$ (cm)	4.03
$V_e$ (cm <sup>3</sup> )	2.419
$A_{min}$ (cm <sup>2</sup> )	0.554

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