

# RM Cores (6278420121)



Part Number: 6278420121

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.

Weight indicated is per pair or set.

Weight: 69 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	41.6	± 0.60	1.638	—
B	15.05	± 0.10	0.593	—
C	18.7	± 0.30	0.736	—
D	10.55	± 0.20	0.415	—
E	29.5	± 0.50	1.161	—
F	14.75	± 0.25	0.581	—
G	17	min	0.669	min
J	34.15	± 0.65	1.344	—

**Chart Legend**

$\Sigma l/A$  : Core Constant,  $l_c$  : Effective Path Length,  $A_c$  : Effective Cross- Sectional Area,  $V_c$  : 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)	6200 ±25%
$A_e$ (cm <sup>2</sup> )	1.95
$\Sigma l/A$ (cm <sup>-1</sup> )	3.8
$l_c$ (cm)	7.38
$V_c$ (cm <sup>3</sup> )	14.37
$A_{min}$ (cm <sup>2</sup> )	1.709

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