

# RM Cores (6298180121)



Part Number: 6298180121

98 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: 5.5 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	17.6	± 0.30	0.693	
B	6.2	± 0.10	0.244	
C	7.9	± 0.30	0.311	
D	4.25	± 0.15	0.167	
E	12.65	± 0.25	0.498	
F	6.25	± 0.15	0.246	
G	8.4	min	0.331	min
J	14.4	± 0.30	0.567	

### 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)	2470 ±25%
$A_e$ (cm <sup>2</sup> )	0.342
$\Sigma l/A$ (cm <sup>-1</sup> )	9.3
$l_e$ (cm)	3.1
$V_e$ (cm <sup>3</sup> )	1.06
$A_{min}$ (cm <sup>2</sup> )	0.312

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