Fair-Rite Products Corp.
Your Signal Solution®

RM Cores (6278180121)

Part Number: 6278180121

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: 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
Σl/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)	2400 ±25%
Ae(cm^2)	0.342

Electrical Properties	
$\Sigma l/A(cm^{-1})$	9.3
$l_e(cm)$	3.1
$V_e(cm^3)$	1.06
$A_{min}(cm^2)$	0.312

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

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