Fair-Rite Products Corp.
Your Signal Solution®

RM Cores (6278110121)

Part Number: 6278110121

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: 1.7 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	10.75	± 0.25	0.423	_
B	5.25	± 0.10	0.207	_
C	4.5	± 0.10	0.177	_
D	3.65	± 0.15	0.144	_
E	8.15	± 0.20	0.321	_
F	3.8	± 0.10	0.15	_
G	5.8	min	0.229	min
J	9.6	± 0.20	0.378	_

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)	900 ±25%
Ae(cm^2)	0.134

Electrical Properties	
$\Sigma l/A(cm^{-1})$	17.6
$l_e(cm)$	2.38
$V_e(cm^3)$	0.319
$A_{min}(cm^2)$	0.113

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

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