Fair-Rite Products Corp.
Your Signal Solution®

RM Cores (6278370121)

Part Number: 6278370121

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: 46 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	36.75	± 0.75	1.447	_
B	12.25	± 0.15	0.482	_
C	15.85	± 0.25	0.624	_
D	8.55	± 0.20	0.337	_
E	25.45	± 0.55	1.002	_
F	12.6	± 0.20	0.496	_
G	13.4	min	0.528	min
J	29.2	± 0.60	1.15	_

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)	5400 ±25%
Ae(cm^2)	1.41

Electrical Properties	
$\Sigma l/A(cm^{-1})$	4.3
$l_e(cm)$	6.13
$V_e(cm^3)$	8.675
$A_{min}(cm^2)$	1.247

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

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