Fair-Rite Products Corp.
Your Signal Solution®

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.

Catalog Drawing
3D Model

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	0.670	min
J	34.15	± 0.65	1.344	_

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)	6200 ±25%
Ae(cm^2)	1.95

Electrical Properties	
$\Sigma l/A(cm^{-1})$	3.8
$l_e(cm)$	7.38
$V_e(cm^3)$	14.37
$A_{min}(cm^2)$	1.709

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

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