Fair-Rite Products Corp.
Your Signal Solution®

RM Cores (6278230121)

Part Number: 6278230121

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: 13 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	22.75	± 0.45	0.896	_
B	8.2	± 0.10	0.323	_
C	10.8	± 0.20	0.425	_
D	5.5	± 0.15	0.217	_
E	17.3	± 0.30	0.681	_
F	8.4	± 0.15	0.331	_
G	9.8	min	0.386	min
J	19.1	± 0.40	0.752	_

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)	3000 ±25%
Ae(cm^2)	0.6

Electrical Properties	
$\Sigma l/A(cm^{-1})$	6.7
$l_e(cm)$	4.03
$V_e(cm^3)$	2.419
$A_{min}(cm^2)$	0.554

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

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