Fair-Rite Products Corp.
Your Signal Solution®

RM Cores (6278280121)

Part Number: 6278280121

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: 22 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	27.8	± 0.60	1.094	_
B	9.3	± 0.15	0.366	_
C	13.25	± 0.25	0.522	_
D	6.4	± 0.20	0.252	_
E	21.65	± 0.45	0.852	_
F	10.65	± 0.20	0.419	_
G	12.5	min	0.493	min
J	24.15	± 0.55	0.951	_

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)	4200 ±25%
Ae(cm^2)	0.898

Electrical Properties	
$\Sigma l/A(cm^{-1})$	5.3
$l_e(cm)$	4.79
$V_e(cm^3)$	4.306
$A_{min}(cm^2)$	0.884

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

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