Fair-Rite Products Corp.
Your Signal Solution®

Pot Cores (5678140921)

Part Number: 5678140921

78 POT CORE SET

Pot cores have found application in all types of inductive devices. The core configuration provides a high degree of self-shielding. It also facilitates gapping to enhance utility for a variety of magnetic designs.

Pot 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: 3.2.000 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	14	±0.30	0.551	_
B	4.2	±0.20	0.165	_
C	9.55	±0.30	0.376	_
D	3.1	±0.20	0.122	_
E	11.8	±0.40	0.465	_
F	5.9	±0.20	0.232	_
G	3.3	±0.60	0.13	_
H	2.9	±0.30	0.114	_

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)	1950 ±25%
Ae(cm^2)	0.251
$\Sigma l/A$(cm^{-1})	7.9

Electrical Properties	
l_e(cm)	1.98
V_e(cm^3)	0.495
A_{min}(cm^2)	0.198

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

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com