



**Fair-Rite Products Corp.**

Your Signal Solution®

# Pot Cores (5678302021)



Part Number: 5678302021

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.

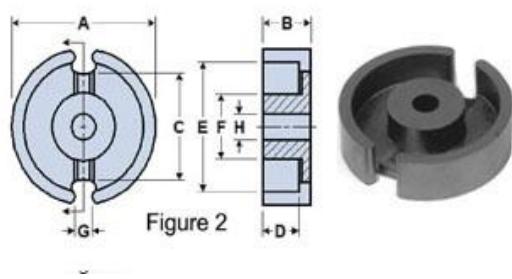
[Catalog Drawing](#)

[3D Model](#)

Weight indicated is per pair or set.

Weight: 34.000 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	30	$\pm 0.50$	1.181	—
B	9.4	$\pm 0.20$	0.37	—
C	20.6	min	0.811	min
D	6.6	$\pm 0.20$	0.26	—
E	25	min	0.984	min
F	13.3	$\pm 0.20$	0.524	—
G	3.68	min	0.145	min
H	5.6	$\pm 0.20$	0.22	—



## 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)	$5700 \pm 25\%$
$A_e$ (cm <sup>2</sup> )	1.27
$\Sigma l / A$ (cm <sup>-1</sup> )	3.56
$l_e$ (cm)	4.53
$V_e$ (cm <sup>3</sup> )	5.75
$A_{min}$ (cm <sup>2</sup> )	1.14

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

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