

# Pot Cores (5698181221)



Part Number: 5698181221

98 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.

Weight indicated is per pair or set.

Weight: 6.000 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	18	±0.40	0.709	—
B	5.35	±0.15	0.211	—
C	13.4	±0.40	0.528	—
D	3.8	±0.20	0.15	—
E	14.9	min	0.587	min
F	7.45	±0.15	0.293	—
G	4	±0.30	0.157	—
H	3.2	±0.20	0.126	—

### 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)	2700 ±25%
$A_e$ (cm <sup>2</sup> )	0.43
$\Sigma l/A$ (cm <sup>-1</sup> )	6
$l_e$ (cm)	2.59
$V_e$ (cm <sup>3</sup> )	1.12
$A_{min}$ (cm <sup>2</sup> )	0.36

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