

# Pot Cores (5698090621)



Part Number: 5698090621

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: 1.000 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	9.15	±0.15	0.36	—
B	2.65	±0.10	0.104	—
C	5.65	±0.15	0.222	—
D	1.8	min	0.071	min
E	7.5	min	0.295	min
F	3.8	±0.10	0.15	—
G	2.1	±0.30	0.083	—

### 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)	1250 ±25%
$A_e$ (cm <sup>2</sup> )	0.112
$\Sigma l/A$ (cm <sup>-1</sup> )	12
$l_e$ (cm)	1.35
$V_e$ (cm <sup>3</sup> )	0.152
$A_{min}$ (cm <sup>2</sup> )	0.09

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