



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Pot Cores (5678090621)



Part Number: 5678090621

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.

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         | <input type="checkbox"/> |
| B   | 2.65 | ±0.10  | 0.104        | <input type="checkbox"/> |
| C   | 5.65 | ±0.15  | 0.222        | <input type="checkbox"/> |
| D   | 1.8  | min    | 0.071        | min                      |
| E   | 7.5  | min    | 0.295        | min                      |
| F   | 3.8  | ±0.10  | 0.15         | <input type="checkbox"/> |
| G   | 2.1  | ±0.30  | 0.083        | <input type="checkbox"/> |

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)                       | 1200 ±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.