

# 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.

Weight indicated is per pair or set.

Weight: 34.000 (g)

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