

Pot Cores (5678140921)

Part Number: 5678140921

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: 3.2.000 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 14 | ±0.30 | 0.551 | — |
| B | 4.2 | ±0.20 | 0.165 | — |
| C | 9.55 | ±0.30 | 0.376 | — |
| D | 3.1 | ±0.20 | 0.122 | — |
| E | 11.8 | ±0.40 | 0.465 | — |
| F | 5.9 | ±0.20 | 0.232 | — |
| G | 3.3 | ±0.60 | 0.13 | — |
| H | 2.9 | ±0.30 | 0.114 | — |

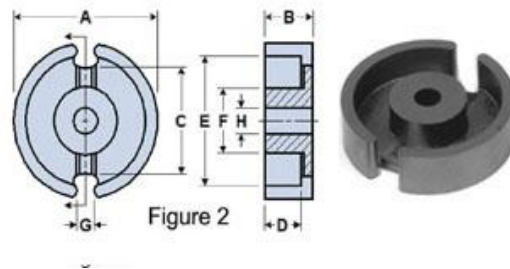



Chart Legend

$\Sigma l / A$: 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) | 1950 ±25% |
| A_e (cm ²) | 0.251 |
| $\Sigma l / A$ (cm ⁻¹) | 7.9 |
| l_e (cm) | 1.98 |
| V_e (cm ³) | 0.495 |
| A_{min} (cm ²) | 0.198 |

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