

U Cores (9077025002)



Part Number: 9077025002

77 U CORE

Explanation of Part Numbers: Digits 1&2 = product class, 3&4 = material grade.

The U core offers an economical core design with a nearly uniform cross-sectional area. In a power ferrite material they are frequently used in output chokes, power input filters and transformers for switched-mode power supplies and HF fluorescent ballasts.

For any U core requirement not listed in the catalog, please contact our customer service group for availability and pricing.

[Catalog Drawing](#)
[3D Model](#)

Weight indicated is per pair or set.

Weight: 17.5 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A | 25.4 | ±0.75 | 1 | |
| B | 15.75 | +0.25 | 0.625 | |
| C | 6.35 | ±0.25 | 0.25 | |
| D | 9.4 | Min | 0.37 | Min |
| E | 12.45 | Min | 0.49 | Min |

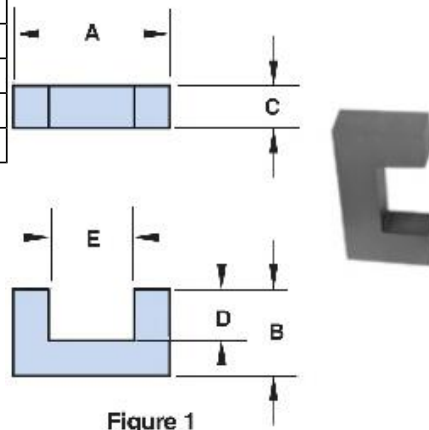



Figure 1

Chart Legend

•An I core, 9377024002, is available for these U cores. See I Core Section of our catalog.

$\Sigma l / A$: Core Constant, l_c : Effective Path Length, A_c : Effective Cross- Sectional Area, V_c : Effective Core Volume

A_L : Inductance Factor 

| Electrical Properties | |
|------------------------------------|---------|
| A_L (nH) | 790 Min |
| A_e (cm ²) | 0.4 |
| $\Sigma l / A$ (cm ⁻¹) | 20.7 |
| l_c (cm) | 8.4 |
| V_c (cm ³) | 3.36 |

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

These U cores have the same minimum cross-sectional area as the listed effective cross-sectional area.

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