

U Cores (9077002002)



Part Number: 9077002002

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: 1.4 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 8.9 | -0.50 | 0.341 | |
| B | 4.45 | +0.25 | 0.18 | |
| C | 4.05 | ±0.20 | 0.159 | |
| D | 1.3 | Min | 0.052 | Min |
| E | 2.3 | Min | 0.091 | Min |

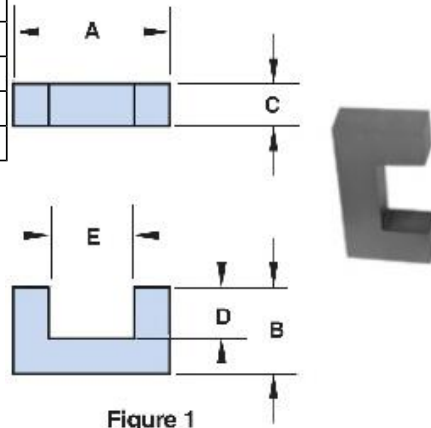



Figure 1

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) | 695 Min |
| A_e (cm ²) | 0.124 |
| $\Sigma l / A$ (cm ⁻¹) | 16.8 |
| l_c (cm) | 2.08 |
| V_c (cm ³) | 0.257 |

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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