

U Cores (9277008002)



Part Number: 9277008002

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.

Weight indicated is per pair or set.

Weight: 50 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A | 41.15 | ±0.75 | 1.62 | — |
| B | 17.45 | ±0.15 | 0.687 | — |
| C | 11.7 | ±0.25 | 0.46 | — |
| D | 7.8 | Min | 0.307 | Min |
| E | 18.65 | Min | 0.735 | Min |
| F | 35.3 | ±0.60 | 1.39 | — |

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_e : Effective Path

Length, A_e : Effective Cross- Sectional Area, V_e : Effective Core Volume

A_L : Inductance Factor

| Electrical Properties | |
|----------------------------------|----------|
| A_L (nH) | 1575 Min |
| A_e (cm ²) | 0.98 |
| $\Sigma l/A$ (cm ⁻¹) | 10.5 |
| l_e (cm) | 10.3 |
| V_e (cm ³) | 10.1 |

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.