

U Cores (9277002002)



Part Number: 9277002002

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: 32 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A | 26.5 | ±0.70 | 1.045 | — |
| B | 20.2 | ±0.15 | 0.795 | — |
| C | 10 | -0.50 | 0.385 | — |
| D | 14.35 | Min | 0.565 | Min |
| E | 7.25 | Min | 0.285 | Min |

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) | 1180 Min |
| A_e (cm ²) | 0.68 |
| $\Sigma l/A$ (cm ⁻¹) | 13.9 |
| l_e (cm) | 9.5 |
| V_e (cm ³) | 6.5 |

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.