

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.

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

Weight indicated is per pair or set.

Weight: 32 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A | 26.5 | ±0.70 | 1.043 | — |
| B | 20.2 | ±0.15 | 0.795 | — |
| C | 9.75 | +0.25 | 0.384 | — |
| D | 14.35 | Min | 0.565 | Min |
| E | 7.25 | Min | 0.286 | Min |

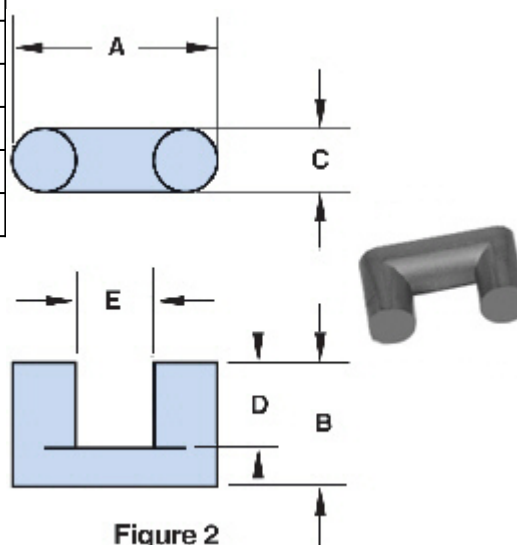



Figure 2

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 | |
|------------------------------|----------|
| $A_L(\text{nH})$ | 1185 Min |
| $A_e(\text{cm}^2)$ | 0.68 |
| $\Sigma l/A(\text{cm}^{-1})$ | 14.1 |
| $l_e(\text{cm})$ | 9.6 |
| $V_e(\text{cm}^3)$ | 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.

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288

888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com