

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  | 0.461        | —          |
| D   | 7.8   | Min    | 0.308        | Min        |
| E   | 18.65 | Min    | 0.735        | Min        |
| F   | 35.3  | ±0.60  | 1.39         | —          |

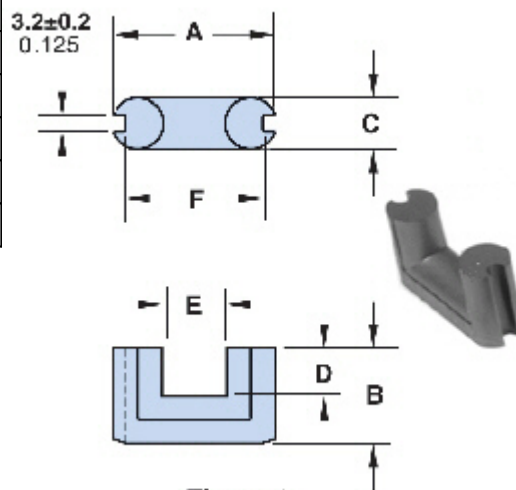



Figure 3

### 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 

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

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