

U Cores (9277023002)



Part Number: 9277023002

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: 28 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	26.5	±0.70	1.045	—
B	15.75	+0.25	0.625	—
C	10	-0.50	0.385	—
D	10	Min	0.394	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)	1390 Min
A_e (cm ²)	0.67
$\Sigma l / A$ (cm ⁻¹)	11.6
l_e (cm)	7.8
V_e (cm ³)	5.2

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.