

U Cores (9077025002)



Part Number: 9077025002

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: 17.5 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.4	±0.75	1	—
B	15.75	+0.25	0.625	—
C	6.6	-0.50	0.25	—
D	9.4	Min	0.37	Min
E	12.45	Min	0.49	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, Effective Core Volume
 l_e : Effective Path Length
 A_e : Effective Cross-Sectional Area, V_e :
 A_L : Inductance Factor

Electrical Properties	
A_L (nH)	790 Min
A_e (cm ²)	0.4
$\Sigma l/A$ (cm ⁻¹)	20.7
l_e (cm)	8.4
V_e (cm ³)	3.36

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.