

U Cores (9277012002)



Part Number: 9277012002

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: 66 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	41.15	±0.75	1.62	—
B	25.4	±0.15	1	—
C	11.7	±0.25	0.46	—
D	15.75	Min	0.62	Min
E	18.65	Min	0.735	Min
F	35.3	±0.60	1.39	—

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)	1255 Min
A_e (cm ²)	0.98
$\Sigma l/A$ (cm ⁻¹)	13.8
l_e (cm)	13.5
V_e (cm ³)	13.2

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.