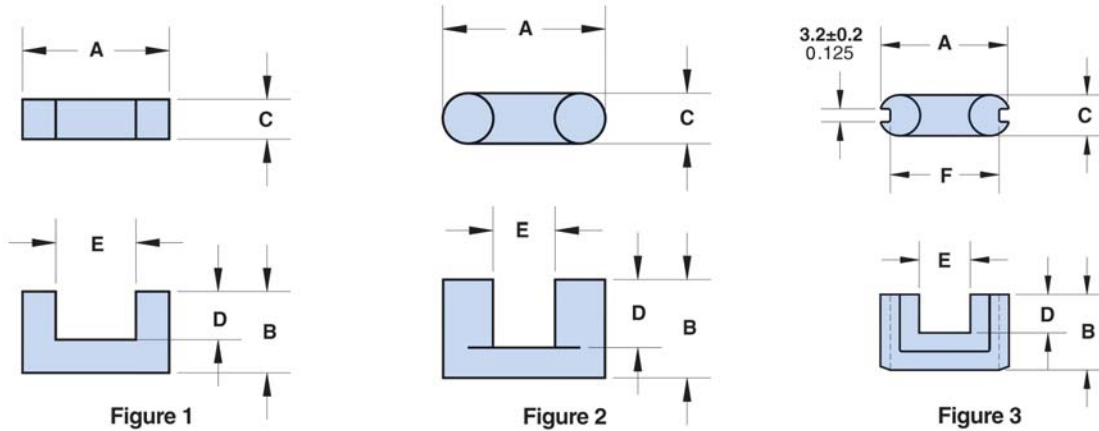


The U core offers an economical core design with a nearly uniform cross-sectional area. In a power ferrite material they are frequently used in output chokes, power input filters and transformers for switched-mode power supplies and HF fluorescent ballasts.



- These U cores have the same minimum cross-sectional area as the listed effective cross-sectional area.
- A_L value is measured at 1kHz, < 10 gauss.
- For any U core requirement not listed in the catalog, please contact our customer service group for availability and pricing.
- Explanation of Part Numbers: Digits 1&2 = product class, 3&4 = material grade.
- Weight indicated is per pair or set.

Legend: Symbols & Definition

Dimensions (Top numbers are in millimeters, bottom numbers are in nominal inches.)

$\Sigma \ell/A$: Core Constant, ℓ_e : Effective Path Length, A_e : Effective Cross-Sectional Area, V_e : Effective Core Volume, A_L : Inductance Factor ($\frac{L}{N^2}$)

Explanation of part numbers: Digits 1 & 2 = product class, 3 & 4 = material grade.

MnZn 77 material

Row #	Part Number	Fig.	A	B	C	D	E	F	Wt. (g) per Set
(1)	9077002002	1	8.90 -0.50 0.340	4.45 +0.25 0.180	4.05 ±0.20 0.160	1.30 Min 0.051 Min	2.30 Min 0.090 Min	—	1.40
(2)	9077026002	1	25.40 ±0.75 1.000	12.60 ±0.25 0.500	6.60 -0.50 0.250	6.20 Min 0.244 Min	12.45 Min 0.490 Min	—	15.00
(3)	9077025002	1	25.40 ±0.75 1.000	15.75 ±0.25 0.625	6.60 -0.50 0.250	9.40 Min 0.370 Min	12.45 Min 0.490 Min	—	17.50
(4)	9077024002	1	25.40 ±0.75 1.000	18.90 ±0.25 0.750	6.60 -0.50 0.250	12.55 Min 0.494 Min	12.45 Min 0.490 Min	—	20.00
(5)	9277023002	2	26.50 ±0.70 1.045	15.75 ±0.25 0.625	10.00 -0.50 0.385	10.00 Min 0.394 Min	7.25 Min 0.285 Min	—	28.00
(6)	9277002002	2	26.50 ±0.70 1.045	20.20 ±0.15 0.795	10.00 -0.50 0.385	14.35 Min 0.565 Min	7.25 Min 0.285 Min	—	32.00
(7)	9277024002	3	31.40 ±0.60 1.237	18.50 ±0.15 0.729	10.25 -0.50 0.394	9.40 Min 0.370 Min	12.50 Min 0.492 Min	26.60 ±0.5 1.047	35.00
(8)	9277008002	3	41.15 ±0.75 1.620	17.45 ±0.15 0.687	11.70 ±0.25 0.460	7.80 Min 0.307 Min	18.65 Min 0.735 Min	35.30 ±0.60 1.390	50.00
(9)	9277010002	3	41.15 ±0.75 1.620	20.50 ±0.25 0.812	11.70 ±0.25 0.460	10.95 Min 0.430 Min	18.65 Min 0.735 Min	35.30 ±0.60 1.390	54.00
(10)	9277012002	3	41.15 ±0.75 1.620	25.40 ±0.15 1.000	11.70 ±0.25 0.460	15.75 Min 0.620 Min	18.65 Min 0.735 Min	35.30 ±0.60 1.390	66.00

Quick Link: www.fair-rite.com/uc

Table Continued ...

Row #	Part Number	$\sum lA(\text{cm}^{-1})$	$l_e(\text{cm})$	$A_e(\text{cm}^2)$	$V_e(\text{cm}^3)$	$A_L(\text{nH})$
(1)	9077002002	16.80	2.08	0.124	0.257	695 Min
(2)	9077026002	17.60	7.10	0.40	2.85	940 Min
(3)	9077025002	20.70	8.40	0.40	3.36	790 Min
(4)	9077024002	23.90	9.60	0.40	3.88	695 Min
(5)	9277023002	11.60	7.80	0.67	5.20	1390 Min
(6)	9277002002	13.90	9.50	0.68	6.50	1180 Min
(7)	9277024002	11.20	9.30	0.83	7.70	1425 Min
(8)	9277008002	10.50	10.30	0.98	10.10	1575 Min
(9)	9277010002	11.80	11.60	0.98	11.30	1425 Min
(10)	9277012002	13.80	13.50	0.98	13.20	1255 Min