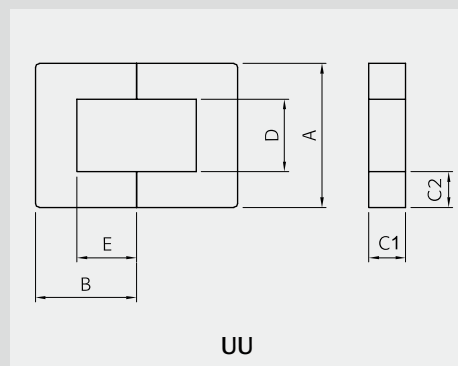
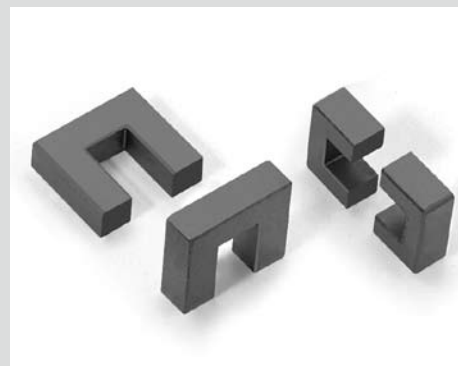


# UU CORES



Part No.	UU1420S	UU1522S	UU1523N	UU1620S	
Type	UU	UU	UU	UU	
Dimensions in mm	A	14.00 <sup>+0.00</sup> <sub>-0.50</sub>	15.20 ±0.30	15.20 ±0.50	16.00 ±0.20
	B	9.55 ±0.20	11.20 ±0.25	11.40 ±0.20	10.00 ±0.20
	C1	8.00 <sup>+0.00</sup> <sub>-0.50</sub>	6.70 <sup>+0.00</sup> <sub>-0.50</sub>	6.40 <sup>+0.00</sup> <sub>-0.20</sub>	6.00 ±0.15
	C2	4.00 <sup>+0.00</sup> <sub>-0.50</sub>	5.00 ref.	5.00 ±0.20	4.50 ref.
	D	5.60 min.	5.20 ±0.30	5.20 ±0.30	6.70 min.
	E	5.60 min.	5.70 <sup>+0.70</sup> <sub>-0.00</sub>	6.40 ±0.20	6.00 ±0.20

Core Set Parameters	UU1420S	UU1522S	UU1523N	UU1620S
C1(mm <sup>-1</sup> )	1.630	1.551	1.616	1.996
Le(mm)	47.5	50.5	51.7	51.2
Ae(mm <sup>2</sup> )	29.1	32.5	31.9	25.6
Ve(mm <sup>3</sup> )	1380	1640	1650	1310
Aw(mm <sup>2</sup> )	67.3	62.9	66.5	84.0
W(g/set)	6.7	8.5	8.6	7.2

Electrical Characteristics <sup>(1)(2)</sup>	AL value	UU1420S	UU1522S	UU1523N	UU1620S
		PL-7	1300	1400	1360
	PL-9	1700	1620	1600	1400
	PL-11	1400	1500	1400	1200
	PL-13	1733	1867	1813	1500
	PL-15	1400	1500	1400	1200
	SM-50	2600	2700	2600	2200
	SM-60	3100	3240	3120	2580
	SM-70S	3500	3500	3400	2780
	SM-100	3100 min.	3200 min.	3100 min.	2550 min.
Core loss	PL-7	0.76	0.90	0.91	0.72
	PL-9	0.69	0.82	0.83	0.66
	PL-11	0.69	0.82	0.83	0.66
	PL-13	0.66	0.79	0.79	0.63
	PL-15	0.62	0.74	0.74	0.59

Note : 1) Core loss

- Unit : Watt max.
- Measuring conditions
- PL-7, PL-11, PL-15 : 100kHz, 200mT, at 100°C
- PL-9, PL-13 : 100kHz, 200mT, at 80°C
- 1) 25kHz, 200mT, at 100°C

2) AL value

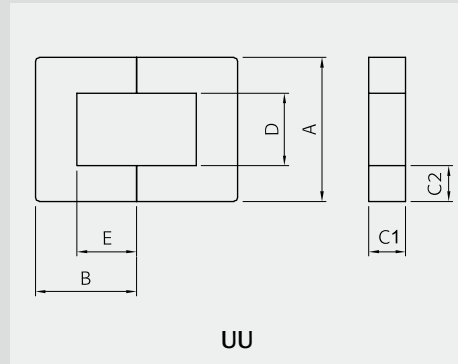
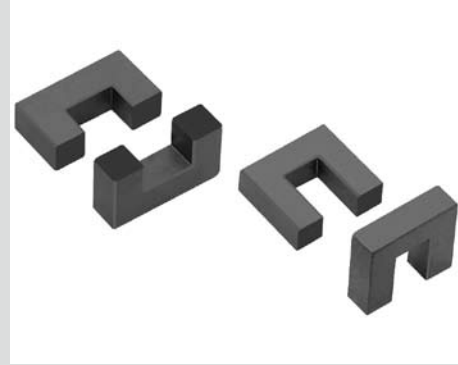
- Unit : nH/N<sup>2</sup>
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%
- SM-100 : Non mirror grinding
- 1) 1kHz, 1V

	UU1622S	UU1820S	UU2027S	UU2132S	UU2323S	UU2528S	UU2537S	UU2633SN	UU2831S	
Type	UU	UU	UU	UU	UU	UU	UU	UU	UU	
Dimensions in mm	A	16.00 ±0.30	18.00 ±0.30	20.50 ±0.30	20.80 ±0.60	23.00 ±0.50	25.00 ±0.40	24.50 ±0.70	26.50 ±0.50	28.00 <sup>+0.00</sup> <sub>-0.50</sub>
	B	11.00 ±0.20	10.00 ±0.20	13.50 <sup>+0.50</sup> <sub>-0.00</sub>	15.55 ±0.25	11.40 ±0.20	14.00 ±0.20	18.30 ±0.25	16.50 ±0.25	15.50 <sup>+0.00</sup> <sub>-0.50</sub>
	C1	6.00 ±0.15	6.00 ±0.15	11.00 ±0.25	7.45 ±0.25	6.40 ±0.20	7.00 ±0.30	7.30 ±0.30	16.00 ±0.25	7.00 <sup>+0.00</sup> <sub>-0.50</sub>
	C2	4.50 ref.	4.50 ref.	5.00 ±0.15	7.25 ref.	5.00 ±0.20	7.00 ±0.20	7.30 ref.	5.00 <sup>+0.00</sup> <sub>-0.50</sub>	7.00 <sup>+0.00</sup> <sub>-0.50</sub>
	D	6.70 min.	8.70 min.	10.50 ±0.30	6.30 ±0.30	13.00 ±0.30	11.00 ref.	9.90 ±0.30	16.00 <sup>+1.50</sup> <sub>-0.00</sub>	14.00 <sup>+0.50</sup> <sub>-0.00</sub>
	E	7.00 ±0.15	6.50 ±0.15	8.50 <sup>+0.50</sup> <sub>-0.00</sub>	8.30 ±0.30	6.40 ±0.20	7.00 ±0.30	10.85 ±0.25	11.50 <sup>+0.50</sup> <sub>-0.00</sub>	8.50 <sup>+0.50</sup> <sub>-0.00</sub>

Core Set Parameters	UU1622S	UU1820S	UU2027S	UU2132S	UU2323S	UU2528S	UU2537S	UU2633SN	UU2831S
C1(mm <sup>-1</sup> )	2.140	2.15	1.270	1.270	1.366	1.469	1.510	0.62	1.88
Le(mm)	55.2	54.0	71.0	68.6	32.1	72.0	84.4	95.8	84.3
Ae(mm <sup>2</sup> )	25.7	25.1	55.8	54.0	23.6	49.0	55.8	155.3	44.8
Ve(mm <sup>3</sup> )	1420	1357	3962	3700	756	3520	4709	14878	3773
Aw(mm <sup>2</sup> )	98.0	113.1	178.5	104.0	166.4	154.0	214.8	368	238
W(g/set)	7.3	7.1	20.0	19.0	11.0	18.5	23.9	36.0	24.0

Electrical Characteristics <sup>(1)(2)</sup>	AL value	UU1622S	UU1820S	UU2027S	UU2132S	UU2323S	UU2528S	UU2537S	UU2633SN	UU2831S
		PL-7	1050	1000	1760	1760	1020	1530	1310	1370
	PL-9	1200	1250	2060	2060	1280	1800	1640	1700	1400
	PL-11	1100	1050	1800	1800	1065	1600	1365	1420	1167
	PL-13	1400	1330	2347	2347	1365	2040	1740	1820	1493
	PL-15	1100	1050	1800	1800	1065	1600	1365	1420	1167
	SM-50	2100	2050	3650	3650	2130	3150	2735	2850	2333
	SM-60	2520	2450	4380	4380	2560	3780	3280	3420	2800
	SM-70S	2700	2700	4820	4700	3200	4200	4100	3800	3500 <sup>1)</sup>
	SM-100	2500 min.	2400 min.	4300 min.	4350 min.	2560 min.	3750 min.	3280 min.	3400 min.	2800 min.
Core loss	PL-7	0.78	0.75	2.18	2.04	0.42	1.94	2.59	8.20	2.2
	PL-9	0.71	0.68	1.98	1.85	0.38	1.76	2.35	7.50	2
	PL-11	0.71	0.68	1.98	1.85	0.38	1.76	2.35	7.50	2
	PL-13	0.68	0.65	1.90	1.78	0.36	1.69	2.26	7.40	1.90
	PL-15	0.64	0.61	1.78	1.67	0.34	1.58	2.12	7.00	1.85

# UU CORES



Part No.	UU3356S	UU3639S	U8065S	U93	
Type	UU	UU	UU	UU	
Dimensions in mm	A	32.50 ±0.70	36.00 <sup>+0.00</sup> <sub>-0.50</sub>	80.00 ±1.60	93.00 ±1.80
	B	27.75 ±0.50	19.50 <sup>+0.00</sup> <sub>-0.50</sub>	64.80 ±0.50	76.00 ±0.50
	C1	12.50 ±0.30	12.00 <sup>+0.00</sup> <sub>-0.50</sub>	31.80 ±0.60	30.00 ±0.80
	C2	9.50 ref.	7.00 <sup>+0.00</sup> <sub>-0.50</sub>	22.30 ref.	28.00 ref.
	D	13.50 ±0.50	22.00 <sup>+0.50</sup> <sub>-0.00</sub>	35.20 ±1.20	35.00 min.
	E	17.75 <sup>+0.5</sup> <sub>-0.20</sub>	12.50 <sup>+0.50</sup> <sub>-0.00</sub>	42.50 ±0.80	48.00 ±0.90

Core Set Parameters	UU3356S	UU3639S	U8065S	U93
C1(mm <sup>-1</sup> )	1.07	1.50	0.440	0.421
Le(mm)	128.6	116.2	310	354
Ae(mm <sup>2</sup> )	120.7	77.6	704	840
Ve(mm <sup>3</sup> )	15522	9015	218240	297000
Aw(mm <sup>2</sup> )	479.25	550	2992	3475
W(g/set)	78.0	43.5	575	760

Electrical Characteristics <sup>(1)(2)</sup>	AL value	UU3356S	UU3639S	U8065S	U93
		PL-7	2650	1280	6000
	PL-9	3313	1600	7500	8000
	PL-11	2760	1333	6250	8500
	PL-13	3533	1707	8000	6600
	PL-15	2760	1333	6250	8500
	SM-50	5521	2667		
	SM-60	6625	3200		
	SM-70S	8281	4000 <sup>1)</sup>		
	SM-100	6500 min.	3200 min.		
Core loss	PL-7	8.54	4.96	30 <sup>1)</sup>	40 <sup>1)</sup>
	PL-9	7.76	4.51	27 <sup>1)</sup>	36 <sup>1)</sup>
	PL-11	7.76	4.51	27 <sup>1)</sup>	36 <sup>1)</sup>
	PL-13	7.45	4.33	27 <sup>1)</sup>	36 <sup>1)</sup>
	PL-15	6.98	4.06	25 <sup>1)</sup>	33 <sup>1)</sup>

Note : 1) Core loss

- Unit : Watt max.
- Measuring conditions
- PL-7, PL-11, PL-15 : 100kHz, 200mT, at 100°C
- PL-9, PL-13 : 100kHz, 200mT, at 80°C
- 1) 25kHz, 200mT, at 100°C

2) AL value

- Unit : nH/N<sup>2</sup>
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%
- SM-100 : Non mirror grinding
- 1) 1kHz, 1V