

## Application of UU types

- Pulse and high-voltage transformer
- Line deflection transformer storage chokes
- Common mode choke
- Excellent interference suppression for line filter  
(High permeability material)

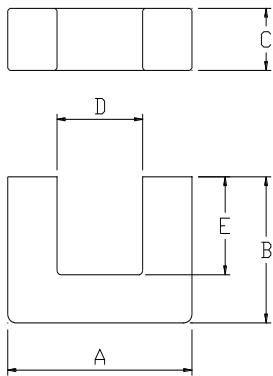


Fig. 1

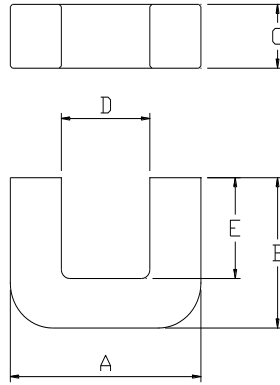


Fig. 2

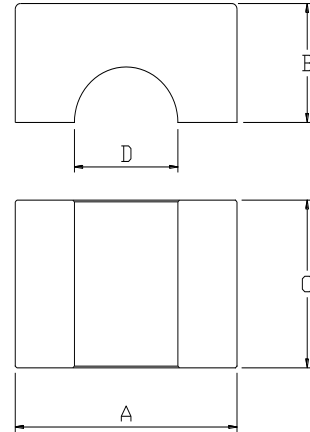


Fig. 1

## Product overview UU type

Model	Dimension(mm)					Parameter				Fig
	A	B	C	D	E	$L_e$ (mm)	$A_e$ (mm <sup>2</sup> )	$V_e$ (mm <sup>3</sup> )	C	
UU 100	100.0 ±2.0	75.45 ±0.8	30.0 ±1.0	39.3 REF	45.1 REF	355.0	905.0	321000	3.200	2
UU 100B	100.0 ±2.0	45.35 ±0.8	30.0 ±1.0	39.3 REF	15.0 ± 0.4	233.9	910.5	213000	4.890	2
UU 1014	9.8 ±0.2	7.1 ±0.1	2.7 ±0.2	4.2 REF	4.2 ±0.2	34.0	7.6	258	0.280	1
UU 1116	10.5 ±0.3	8.0 +0.1 -0.3	5.0 ±0.3	5.5 REF	5.5 +0.1 -0.3	40.5	12.5	506	0.390	1
UU 1120	10.8 ±0.35	10.1 ±0.2	5.0 ±0.25	5.5 REF	7.6 ±0.25	49.5	13.0	643	0.331	1
UU 120	120.0 ±2.5	80.0 ±1.0	20.0 ±0.5	59.0 REF	50.0 REF	400.4	657.0	263100	2.060	2
UU 120BC	120.0 ±2.5	100.0 ±1.0	40.0 ±1.0	60.0 ± 1.5	70.0 ± 0.75	493.0	1213.0	598100	3.090	2
UU 120C	120.0 ±2.5	80.0 ±1.0	40.0 ±1.0	59.0 REF	50.0 REF	413.0	1211.9	500520	3.690	2
UU 1523	15.2 ±0.5	11.4 ±0.2	6.4 ±0.2	5.2 ±0.3	6.4 ±0.2	51.7	31.9	1649	0.780	1
UU 1620	16.0 ±0.3	10.0 ±0.2	6.0 ±0.15	7.0 + 0 -0.3	6.0 ±0.15	51.0	25.9	1321	0.640	1

Model	Dimension(mm)					Parameter				Fig
	A	B	C	D	E	L <sub>e</sub> (mm)	A <sub>e</sub> (mm <sup>2</sup> )	V <sub>e</sub> (mm <sup>3</sup> )	C	
UU 2134	20.8 ±0.5	16.8 ±0.2	11.5 ±0.3	9.0 ±0.3	11.5 ±0.3	81.4	65.3	5320	1.010	1
UU 2634	26.5 ±0.5	17.0 ±0.2	16.0 ±0.3	16.5 ±0.5	12.0 ±0.2	96.7	80.0	7740	1.040	1
UU 2758	27.2 ±0.3	29.0 ±0.25	10.0 ±0.2	14.2 ±0.3	22.5 ±0.25	138.8	65.0	9023	0.589	1
UU 3356	32.5 ±0.7	27.75 ±0.5	12.5 ±0.3	13.5 ±0.5	17.75 + 0.5 - 0.4	128.6	120.7	15522	1.180	1
UU 4152	41.0 ±0.8	26.0 ±0.1	15.1 ±0.2	28.6 ±0.3	19.5 ±0.1	155.1	95.5	14810	0.774	1
UU 47	46.7 REF	72.7 REF	47.0 ±0.2	32.0 MIN	65.0 MIN	347.5	348.8	121221	1.262	1
UU 51	51.0 ±0.8	61.5 ±0.25	47.7 0 -0.2	30.0 ±0.6	51.0 ±0.25	279.0	500.9	147846	2.120	1
UU 84	84.0 ± 1.6	92.0 ± 0.5	44.0 ± 1.0	40.0 ± 1.0	70.0 ± 0.5	429.0	968.0	415000	2.830	1
UU 95	95.0 ±2.0	77.0 ±0.8	30.0 ±0.5	37.0 REF	48.0 REF	357.1	870.0	310680	3.062	1

Inductance,AL(nH)

Model	Materials									
	HM2A	HM3A	HM5A	HM7A	PM1	PM2	PM5	PM7	PM11	PM12
UU 100							6640 <sup>1)</sup>			
UU 100B							9750 <sup>1)</sup>			
UU 1014	930 <sup>4)</sup>	930 <sup>4)</sup>	1400 <sup>1)</sup>							
UU 1116	1350 <sup>2)</sup>	1550 <sup>2)</sup>								
UU 1120		964 <sup>1)</sup>								
UU 120								6630 <sup>1)</sup>		
UU 120BC							6630 <sup>1)</sup>			
UU 120C								8508 <sup>2)</sup>		
UU 1523		2610 <sup>1)</sup>				1500 <sup>1)</sup>	1360 <sup>2)</sup>	1360 <sup>2)</sup>		
UU 1620		3000 <sup>2)</sup>	2650 <sup>1)</sup>					1100 <sup>3)</sup>		
UU 2132		3850 <sup>1)</sup>					1650 <sup>3)</sup>	1850 <sup>3)</sup>		
UU 2134								1950 <sup>5)</sup>		
UU 2634			5270 <sup>1)</sup>							
UU 3356								2650 <sup>1)</sup>		3000 <sup>1)</sup>
UU 4152			4760 <sup>1)</sup>							
UU 47								2887 <sup>2)</sup>		
UU 51								4815 <sup>2)</sup>		
UU 84								5300 <sup>3)</sup>		
UU 95								6650 <sup>2)</sup>		

- Note: 1) 1kHz, 1V  
 2) 1kHz, 0.1V  
 3) 10kHz, 0.1V  
 4) 1kHz, 0.3V  
 5) 10kHz, 1V  
 6) 100kHz,1V ,0.5Ts

## Application of UI/UUI/EFI/UFD types

- Flat transformer
- Good thermal response
- Low height
- Inverter, Balancing coil

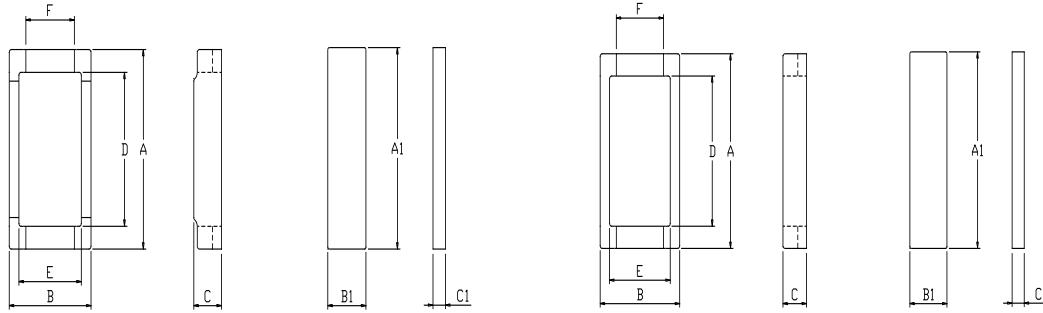


Fig. 1

Fig. 2

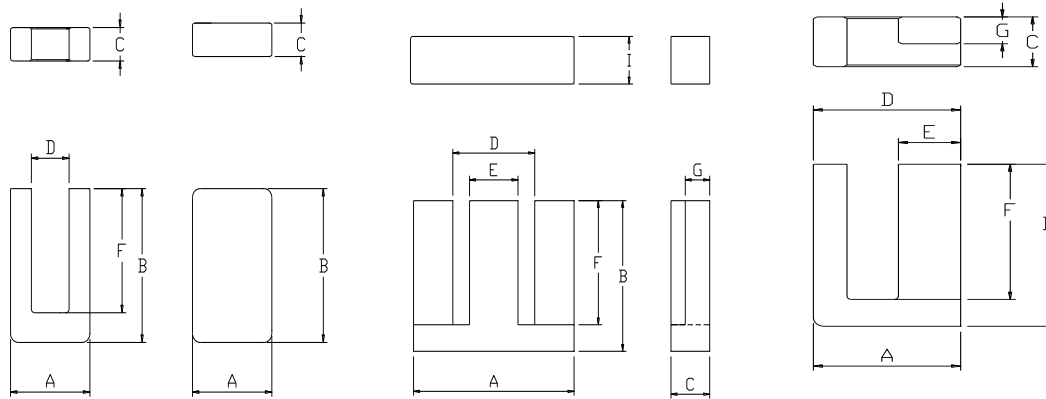


Fig. 1

Fig. 4

Fig. 5

## Product overview UI,UUI,EFI,UFD type

Model	Dimension(mm)									Fig
	A	B	C	D	E	F	A1	B1	C1	
UI 9.8	23.7 ±0.3	9.8 ±0.2	3.5 ±0.1	19.2 ±0.3	7.35 ±0.15	5.7 ±0.1	24.3 ±0.3	4.4 ±0.1	2.0 ±0.05	1
UI 11.7	20.8 +0.15 -0.1	11.675 ±0.225	3.5 ±0.1	16.2 ±0.15	8.8 ±0.15	7.1 ±0.1	21.6 ±0.2	5.5 ±0.2 0	1.8 ±0.05	2
UI 13	22.2 ±0.2	13.2 ±0.15	4.5 ±0.1	15.2 ±0.2	9.55 ±0.15	7.0 ±0.15	23.0 ±0.25	5.35 ±0.15	3.05 ±0.05	2
UI 13K	22.2 ±0.2	13.2 ±0.15	4.5 ±0.1	15.2 ±0.2	9.55 ±0.15	7.0 ±0.15	23.0 ±0.25	5.35 ±0.15	2.80 ±0.05	2
UI 3368	67.80 ±0.5	33.60 ±0.5	11.30 ±0.15	58.8 ±0.5	24.6 ±0.5	10.00 ±1.25	67.80 ±0.5	7.80 ±0.25	6.80 ±0.05	2
UUI 1037	10.1 ±0.25	17.6 ±0.25	3.4 ±0.15	4.1 +0.25 -0.2	14.6 ±0.2	-	10.2 +0.2 -0.1	6.00 +0.2 -0.1	3.10 +0.05 -0.1	3
EFI 1732	17.20 ±0.35	14.80 ±0.2	5.20 ±0.2	10.40 ±0.35	4.00 ±0.15	12.80 ±0.2	17.80 ±0.35	5.40 ±0.2	4.00 ±0.15	4
EFI 2238	22.05 ±0.2	18.70 ±0.2	5.10 ±0.15	11.05 MIN	6.65 ±0.2	15.40 ±0.2	22.40 ±0.2	5.10 ±0.2	3.30 ±0.1	4
UFD 2172	20.6 ±0.3	35.95 ±0.3	8.7 ±0.2	7.2 ±0.3	8.7 ±0.15	31.25 ±0.2	-	-	-	5

Effective parameter

Model	parameter			
	$L_e$ (mm)	$A_e$ (mm <sup>2</sup> )	$V_e$ (mm <sup>3</sup> )	C
UI 9.8	44.9	7.5	337	0.210
UI 11.7	40.8	10.1	412	0.311
UI 13	53.7	21.1	1133	0.494
UI 13K	52.7	14.5	770	0.346
UI 3368	225.0	36.0	810	2.011
UUI 1037	76.0	10.2	775	0.169

## Electrical characteristics

Model	Materials		
	PM7	PM9	HM3A
UI 9.8	360 <sup>1)</sup>	435 <sup>1)</sup>	
UI 11.7	560 <sup>1)</sup>		
UI 13	690 <sup>1)</sup>		
UI 13K	690 <sup>1)</sup>		
UI 3368			
UUI 1037			1297 <sup>2)</sup>

Note:1) 1kHz, 1V

2) 10kHz, 1V