

EER cores

Regular type

Features

Easier for winding.

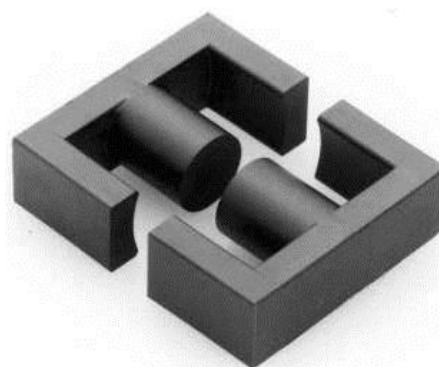
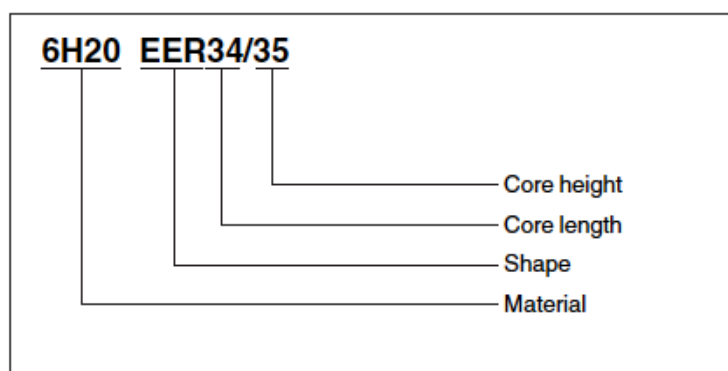
Available area for winding is increased.

ETD series is also available.

Applications

Varieties of switching power supply transformers, choke coils and so on.

Designation

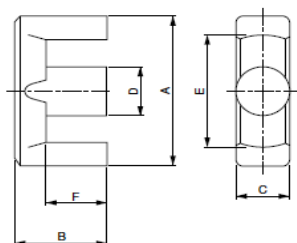


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EER16/15			16.3±0.4	7.5±0.2	5.0±0.3	5.0+0.15/-0.30	11.5MIN.	5.35±0.2
EER19/27	ETD19		19.6±0.5	13.65±0.15	7.4±0.2	7.4±0.2	14.9±0.5	9.4±0.2
EER26/19B		FEER25.5A	25.5±0.5	9.3±0.2	7.5±0.2	7.5±0.15	19.8MIN.	6.2±0.1
EER28/18			28.6±0.5	8.5±0.25	11.4±0.25	9.9+0.2/-0.15	21.2MIN.	5.25±0.25
EER28/28		FEER28.5A	28.6±0.5	14.0±0.2	11.4±0.25	9.9±0.2	21.2MIN.	9.6+0.3/-0.2
EER28/34		FEER28.5B	28.6±0.5	16.9±0.25	11.4±0.25	9.9±0.25	21.2MIN.	12.6±0.3
EER29/20			30.6+0/-1.4	10.1±0.2	9.8+0/-0.6	9.8+0/-0.6	22.0+1.4/-0	6.1±0.2
EER29/32	ETD29	FEER29.8	30.6+0/-1.4	16.0+0/-0.4	9.8+0/-0.6	9.8+0/-0.6	22.0+1.4/-0	10.7+0.6/-0
EER34/35	ETD34	FEER34.2	35.0+0/-1.6	17.3±0.2	11.1+0/-0.6	11.1+0/-0.6	25.6+1.4/-0	11.8+0.6/-0
EER35/26			35.0±0.5	13.0±0.3	11.3±0.3	11.3±0.3	25.6MIN.	8.0±0.3
EER35/31			35.0±0.5	15.5±0.3	11.3±0.2	11.3±0.2	25.6MIN.	10.5±0.3
EER35/41		FEER35A	35.0±0.5	20.7±0.3	11.3±0.3	11.3±0.3	25.6MIN.	14.7±0.3
EER39/28			39.0±0.4	14.2±0.2	12.8±0.25	12.8±0.25	28.6MIN.	9.0±0.25
EER39/44		FEER39	39.0±0.4	22.2±0.2	12.8±0.25	12.8±0.25	28.6MIN.	17.0±0.25
EER39/45			39.0±0.4	22.7±0.2	12.8±0.25	12.8+0.2/-0.25	28.6MIN.	17.0+0.3/-0.1
EER39/40	ETD39	FEER39.1	40.0+0/-1.8	19.8±0.2	12.8+0/-0.6	12.8+0/-0.6	29.3+1.6/-0	14.2+0.8/-0

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Summary

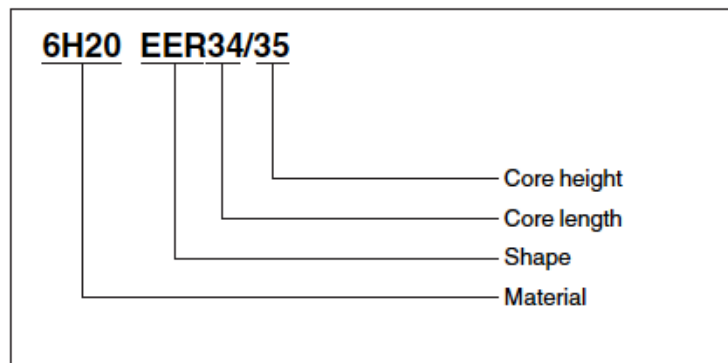


Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	6H40
EER16/15	1.68	35.7	21.3	760	19.6	19.6	37.45	3.7	1300±25%	
EER19/27	1.26	55.3	44.1	2438	43	39.4	70.5	14	1600±25%	
EER26/19B	1.07	47.5	44.4	2110	44.2	42.5L	79.4	11	1920±25%	
EER28/18	0.598	47.2	78.9	3720	77	77.0C	62	19.5	3500±25%	
EER28/28	0.728	62.9	86.3	5430	77	77.0C	113	27.8	3000±25%	
EER28/34	0.868	74.3	85.6	6360	77	77.0C	148	32.4	2600±25%	2600±25%
EER29/20	0.695	51.2	73.7	3770	70.9	70.9C	80.5	18.9	3000±25%	
EER29/32	0.947	72	76	5740	70.9	70.9C	145	28.2	2300±25%	
EER34/35	0.815	79	97	7670	91.6	91.6C	188	38	2800±25%	
EER35/26	0.569	61.5	108	6620	100	100C	118	35	3700±25%	
EER35/31	0.677	72.4	107	7740	100	100C	156	38.9	3600±25%	
EER35/41	0.817	90.1	110	9930	100	100C	218	52.7	2800±25%	3050±25%
EER39/28	0.525	70.4	134	9410	129	129C	146	51	4200±25%	
EER39/44	0.759	101	133	13500	129	129C	279	68	2700±25%	
EER39/45	0.75	102	136	13900	129	129C	277	69.7	3100±25%	
EER39/40	0.741	92.6	125	11600	123	123C	257	57.2	2800±25%	

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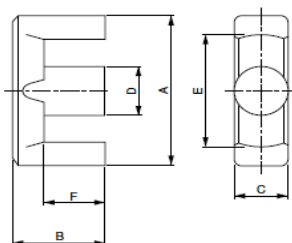


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EER40/18			40.0±0.7	9.0+0/-0.2	13.3±0.3	13.3±0.3	28.8MIN.	4.0±0.15
EER40/45			40.0±0.7	22.4±0.3	13.3±0.3	13.3±0.3	28.8MIN.	15.4±0.3
EER40/55		FEER40	40.0±1.0	27.3±0.4	13.3±0.3	13.3±0.3	29.5±1.0	20.3±0.4
EER42/36			42.0±0.5	18.0±0.2	15.2±0.3	15.2±0.25	31.0±0.5	12.0±0.3
EER42/42		FEER42	42.0±0.5	21.2±0.2	15.2±0.25	15.2±0.25	31.0±0.5	15.0+0.5/-0
EER42/42D			42.0±0.5	21.2±0.2	20.0+0/-0.8	17.3±0.25	31.8MIN.	15.0+0.5/-0
EER42/42B			42.0±0.5	21.6±0.2	15.2±0.25	15.2±0.25	31.0±0.5	15.5+0.3/-0.1
EER42/45A			42.0±0.6	22.4±0.2	15.2±0.25	15.2±0.25	30.4MIN.	15.4±0.3
EER42/45			42.0±0.6	22.4±0.2	15.5+0.25/-0.5	15.5+0.25/-0.5	29.4MIN.	15.4±0.3
EER42/49			42.0±0.5	24.7±0.2	19.6±0.4	17.3±0.25	31.8MIN.	18.5+0.5/-0
EER42/43			43.0+0/-1.7	21.8+0/-0.4	15.0+0/-0.6	15.0+0/-0.6	30.4+1.2/-0	15.6+0.7/-0
EER43/29			43.0±0.5	14.6±0.2	20.0+0/-0.8	17.5+0.5/-0	32.8MIN.	8.4+0.5/-0
EER44/45	ETD44	FEER44	45.0+0/-2.0	22.3±0.2	15.2+0/-0.6	15.2+0/-0.6	32.5+1.6/-0	16.1+0.8/-0
EER48/41			49.0+0/-2.0	21.2+0/-1.2	20.9±0.4	18.0±0.3	37.2+1.1/-0	14.7+0.6/-0
EER49/48			49.0±0.5	23.9±0.3	17.2±0.25	17.2±0.25	36.3MIN.	15.4±0.2
EER49/54			49.0±0.5	26.8+0.4/-0	17.2±0.25	17.2±0.25	36.3MIN.	18.3+0.4/-0
EER49/55			49.0±0.6	27.5±0.3	17.2±0.4	17.2+0.2/-0.25	36.4MIN.	19.0±0.2
EER49/62		FEER49	49.0±0.5	31.0+0.5/-0.1	17.2±0.4	17.2±0.2	36.4MIN.	22.5+0.4/-0
EER49/49	ETD49	FEER48.7	49.8+0/-2.2	24.9+0/-0.4	16.7+0/-0.6	16.7+0/-0.6	36.1+1.8/-0	17.7+0.8/-0
EER53/46			53.4±0.6	23.2±0.3	21.5±0.3	19.8±0.25	38.8MIN.	16.3±0.25
EER56/37			55.9±0.6	18.3±0.15	32.0±0.3	20.0±0.2	42.5±0.5	13.35±0.2

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Summary



Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	6H40
EER40/18	0.346	48.5	140	6780	139	130B	64.8	36.2	5170±25%	
EER40/45	0.634	97.2	153	14900	139	139C	249	75.9	3600±25%	
EER40/55	0.768	117	152	17800	139	139C	329	89	2800±25%	
EER42/36	0.459	83.6	182	15200	181	181C	190	78	4500±25%	
EER42/42	0.527	96.3	183	17600	181	179B	242	92.5	4400±25%	
EER42/42D	0.423	98.5	233	23000	235	233B	225	113	5300±25%	
EER42/42B	0.531	97.7	184	17940	184	182B	246	91	4000±25%	
EER42/45A	0.523	99.9	191	19100	181	181C	243	95	4800±25%	
EER42/45	0.483	97.3	202	19600	189	189C	219	95	4800±25%	
EER42/49	0.469	109	233	25400	235	231B	282	129	5000±25%	
EER42/43	0.573	99	173	17100	170	165B	261	87.7	4100±25%	
EER43/29	0.308	72.7	236	17157	247.4			92.8	6000±25%	
EER44/45	0.592	104	175	18000	174	173B	304	90.8	4000±25%	
EER48/41	0.392	99.5	254	25300	254	251B	297	126	5800±25%	
EER49/48	0.481	111	231	25500	232	228L	305	139	5600±25%	
EER49/54	0.526	123	234	28800	232	228L	366	152	4400±25%	
EER49/55	0.534	125	234	29300	232	228L	376	152	4400±25%	
EER49/62	0.556	134	242	32500	232	230L	449	167	4300±25%	
EER49/49	0.542	115	211	24200	209	209C	375	128	4400±25%	4400±25%
EER53/46	0.356	111	312	34630				173	5650±25%	
EER56/37	0.306	99.2	324	32100	314	311		170		

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Planar type

Features

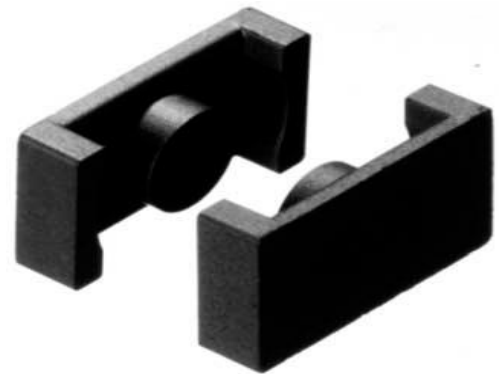
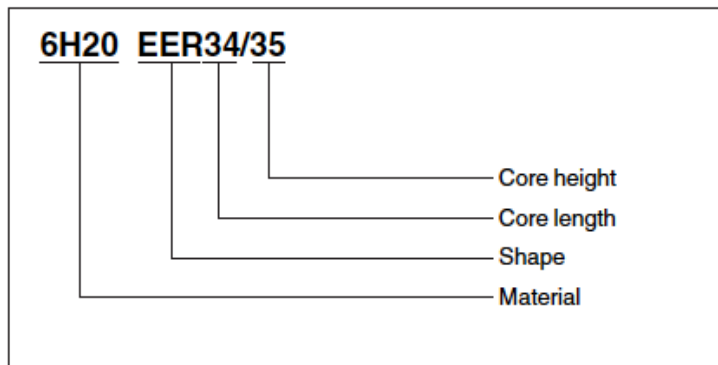
Suitable for making planar transformer.

Varieties of core types are available according to customers' needs.

Applications

DC-DC converter (Planar type transformer)

Designation

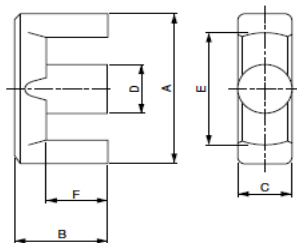


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EER09/05			9.5+0/-0.4	2.4+0/-0.2	5.2+0/-0.3	3.5+0/-0.3	7.7+0.4/-0	1.5+0.2/-0
EER09/05C			9.5+0/-0.4	2.35+0/-0.15	5.2+0/-0.3	3.5+0/-0.3	7.7+0.4/-0	1.5+0.15/-0
EER11/04			10.8±0.2	2.0+0/-0.1	5.9±0.1	4.1±0.15	8.7MIN.	1.0+0.15/-0
EER11/05			10.8±0.2	2.45±0.1	5.9±0.1	4.1±0.15	8.7MIN.	1.6±0.1
EER15/06D			14.5±0.2	2.95±0.1	6.7±0.15	4.7±0.1	11.8±0.2	1.65±0.1
EER16/06			15.5±0.2	3.2+0/-0.15	7.0+0/-0.3	5.2+0/-0.2	11.7+0.4/-0	1.85+0.2/-0
EER18/06			18.15±0.3	3.0±0.1	12.0+/-0.2	6.0±0.1	15.75±0.25	1.5±0.1
EER18/06D			18.15±0.3	3.3±0.1	12.0±0.2	6.0±0.1	15.75±0.25	1.8±0.1
EER18/10			18.1±0.3	4.9±0.2	26.5+0.2/-0.5	4.8±0.2	13.2MIN.	2.8±0.2
EER19/06A			19.08/20.09	2.93/3.12	7.19/7.59	5.47/5.96	14.38/15.39	1.27/1.47
EER19/07			19.59±0.4	3.53±0.15	7.39±0.2	5.72±0.15	14.89±0.2	1.87±0.15
EER19/12			19.0±0.35	6.2±0.2	17.0±0.2	5.5±0.2	14.6±0.35	3.6±0.2
EER20/08			19.6±0.5	4.25±0.1	7.4±0.2	7.4±0.2	14.9±0.5	1.35±0.1
EER20/08A			19.8+0.5/-0.3	4.0±0.15	6.6±0.2	6.0±0.15	15.6MIN.	1.8±0.15
EER20/10A			20.0±0.35	5.3±0.1	14.0±0.3	8.8±0.15	18.0±0.35	3.1±0.15

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Summary

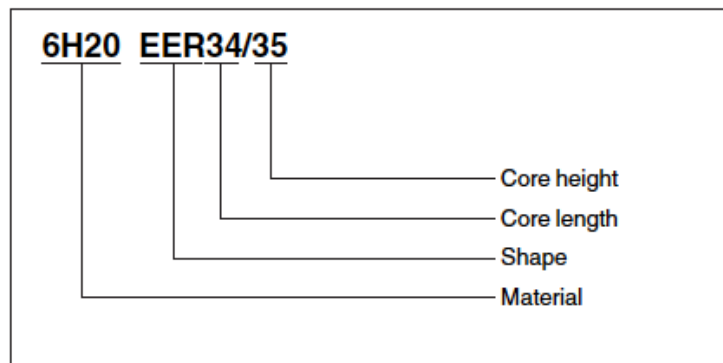


Product code	Magnetic parameter								AL		
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)		
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H40	7H20	2H10
EER09/05	1.73	13.8	7.96	110	8.81	7.07B	7.28	0.63	600MIN.		3500MIN.
EER09/05C	1.72	13.7	7.96	109	8.81			0.63			3400MIN.
EER11/04	1.07	12.7	11.9	151	13.2	10.3B	5.27	0.9			7500+40%/-25%
EER11/05	1.24	14.7	11.9	175	13.2	10.3B	7.48	1	870MIN.		5000MIN.
EER15/06D	1.1	19	17.6	333	17.4	17.4	11.7	1.8	1300±25%		
EER16/06	1.07	19.5	18.2	354	20.4	15.4B	11.1	2			
EER18/06	0.67	21.7	32.3	699	28.3	28.3	14.6	4	2200±25%		
EER18/06D	0.65	21.2	32.8	655	28.3			3.9	2500±25%		
EER18/10	0.23	26.8	118.8	3182.8	121.5	109.8		16.3			
EER19/06A	0.81	21.1	26	540	26	26CB	12.4	2.9			
EER19/07	0.83	22.52	27.09	610.2	25.7	24.53		3.39		1700±25%	
EER19/12	0.37	31.36	83.91	2631.21	87.01			13.9			
EER20/08	0.54	22.24	41.51	923.2	43	38.7		5	3500±25%		
EER20/08A	0.86	24.5	28.44	696.33	28.3			3.8	2400±25%		
EER20/10A	0.48	28.1	58.6	1645		55		9.26	3400±25%		

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Designation

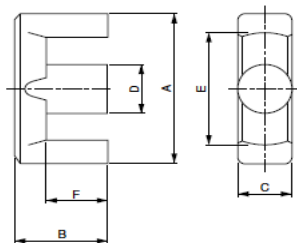


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EER22/07			22.1±0.3	3.3±0.1	15.25±0.25	6.8±0.1	19.7±0.3	1.8±0.1
EER23/10			23.2±0.45	5.1±0.1	12.5±0.25	8.0±0.2	20.2±0.4	3.1±0.1
EER23/12			22.8±0.5	5.7±0.15	15.2±0.3	9.65±0.25	18.3±0.35	3.75±0.15
EER24/07			24.38±0.6	3.38±0.1	8.51±0.4	6.6±0.25	18.59±0.6	1.37±0.1
EER25/07			25.3±0.4	3.35±0.1	18.0±0.4	7.0±0.15	22.9±0.4	1.75±0.1
EER25/18			25.0±0.5	8.9±0.3	11.0±0.2	9.5±0.2	19.3MIN.	5.7±0.3
EER26/09C			25.5±0.5	4.5±0.1	7.5±0.2	7.5±0.15	19.8MIN.	2.22±0.1
EER26/10A			25.5±0.5	4.85±0.15	7.5±0.2	7.5±0.15	19.8MIN.	1.85±0.15
EER26/10B			25.5±0.5	5.05±0.15	7.5±0.2	7.5±0.15	19.8MIN.	2.05±0.15
EER30/10D			30.3±0.6	4.8±0.15	20.3±0.3	11.3±0.25	24.5MIN.	1.65±0.15
EER30/12B			30.0±0.5	5.85±0.15	20.0±0.4	11.0±0.3	26.0±0.5	3.15±0.2
EER30/16B			30.0±0.5	8.0±0.20	20.0±0.3	11.0±0.2	25.6MIN.	5.4±0.2
EER32/24			31.8±0.5	12.0±0.2	20.2±0.3	13.2±0.2	26.6MIN.	9.2±0.2
EER34/10			35.0+0/-1.0	4.83±0.1	11.1+0/-0.6	11.1+0/-0.6	25.6+0.8/-0	1.73±0.1
EER35/08P			35.0±0.5	4.3±0.1	7.5±0.2	7.5±0.15	29.2+1.0/-0	1.35±0.1
EER40/18			40.0±0.7	9.0+0/-0.2	13.3±0.3	13.3±0.3	28.8MIN.	4.0±0.15

EER cores

Planer type

Summary



Product code	Magnetic parameter								AL (nH/N ²)		
	C1 (mm ⁻¹)	Le (mm)	Ae (mm ²)	Ve (mm ³)	Ac (mm ²)	A _{MIN.} (mm ²)	Aw (mm ²)	W (g)	6H40	7H20	2H10
EER22/07	0.64	26.3	41.3	1088	36.3	36.3	23.2	6.1	2500±25%		
EER23/10	0.65	32.6	50.3	1640	50			7.8	3000±25%		
EER23/12	0.52	32.8	62.5	2147				10.8			
EER24/07	0.7	25.2	36	900	34.2			5.2			
EER25/07	0.51	28.9	56.3	1626	38.5	38.5	27.8	9	3700±25%		
EER25/18	0.62	43.4	70.4	3054	70.9			15.5			
EER26/09C	0.8	30.14	37.57	1132.96				6	2850±25%		
EER26/10A	0.68	30	43.9	1318.6				8.2	2900±25%		
EER26/10B	0.7	29.27	41.9	1226				6.66	2550±25%		
EER30/10D	0.29	32.3	113	3650.6	100			21	5500±25%		
EER30/12B	0.28	29.54	107.1	3164	195			25			
EER30/16B	0.46	48.1	105	5087				27	4500±25%		
EER32/24	0.45	59.8	132.8	7946	136.8			42.3			
EER34/10	0.47	34.3	72.9	2510	91.6			14	4400±25%		
EER35/08P	0.85	37.49	43.93	1647	44.18			8.6	2500±25%		
EER40/18	0.35	48.5	140	6780	139	130B	64.8	36.2			

EE cores

Regular type

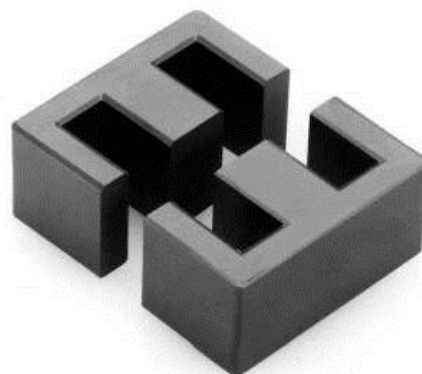
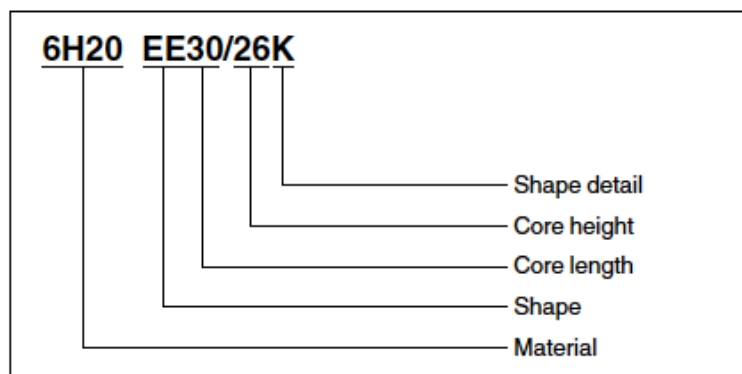
Features

Varieties of core types are available according to customers' needs.

Applications

Switching power supply transformers, choke coils, inverters, converters, pulse transformers and so on.

Designation

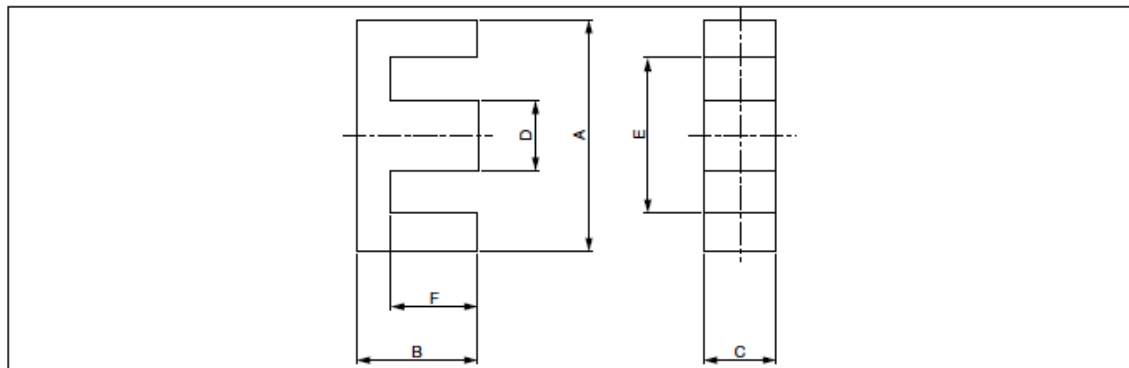


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EE10/10-4.5W			10.0±0.3	5.05±0.1	4.45+0/-0.3	2.45±0.1	7.0MIN.	3.6+0.2/-0
EE10/11D		FEE10.2	10.2±0.2	5.5±0.1	4.75±0.15	2.45±0.15	7.8MIN.	4.3+0.15/-0.075
EE12.6/13	E13/4	FEE12.7A	12.6+0.5/-0.4	6.5+0/-0.2	3.7+0/-0.3	3.7+0/-0.3	8.9+0.6/-0	4.5+0.3/-0
EE13/11			13.0±0.3	5.6+0.3/-0	6.5±0.2	3.8±0.15	9.8±0.3	4.1+0.3/-0
EE13/12C			13.0±0.2	6.0±0.15	6.15±0.15	2.75±0.15	10.2±0.2	4.6±0.1
EE16/14K			16.0±0.3	7.1+0.2/-0	5.0+0/-0.4	4.0+0/-0.4	12.0±0.3	5.1+0.25/-0
EE16/14C		FEE16A	16.0±0.3	7.2±0.3	5.0+0/-0.4	4.0±0.2	11.7MIN.	5.2±0.2
EE16/15			16.0±0.3	7.3±0.2	10.0±0.3	4.0±0.2	11.7MIN.	5.2±0.2
EE16/16			16.0+0.7/-0.5	8.2+0/-0.3	4.7+0/-0.4	4.7+0/-0.3	11.3+0.6/-0	5.7+0.4/-0
EE16/24B		FEE16B	16.0±0.3	12.0+0.4/-0	5.0+0/-0.4	4.0±0.2	11.8MIN.	10.0+0.4/-0
EE19/16H			19.3±0.3	8.2±0.2	9.6±0.2	4.55±0.15	14.3MIN.	5.95±0.15
EE19/16K		FEE19A	19.1±0.3	7.8+0.3/-0	5.2+0/-0.4	4.7+0/-0.3	14.2MIN.	5.5+0.4/-0
EE19/16N			19.3±0.3	8.2±0.2	5.2+0/-0.4	4.7+0/-0.3	14.3MIN.	5.95±0.2
EE20/20A	E20/6	FEE20.1	20.0±0.4	9.9±0.2	5.65±0.25	5.7±0.2	14.1MIN.	7.2±0.2
EE20/20D			20.4±0.4	10.15±0.15	5.65±0.25	5.7±0.2	14.5MIN.	7.45±0.2
EE20/20E			20.4±0.4	10.15±0.15	8.75±0.15	5.7±0.2	14.5MIN.	7.45±0.2
EE20/28			20.0±0.3	13.95±0.25	5.0±0.2	4.55±0.2	14.3MIN.	11.45±0.15
EE22/19		FEE22A	22+0/-0.6	9.55±0.25	6.0+0/-0.5	6.0+0/-0.5	15.5MIN.	5.3+0.4/-0
EE22/29		FEE22B	22.0±0.5	14.5+0.5/-0	6.0+0/-0.5	6.0+0/-0.5	16.0±0.5	10.5+0.5/-0
EE22/30C			21.8±0.4	14.9±0.2	5.7±0.25	5.7±0.25	16.0MIN.	11.9±0.2
EE23/25			22.6±0.3	12.3±0.2	21.8±0.3	6.6±0.2	14.8MIN.	8.0±0.2

EE cores

Regular type

Summary

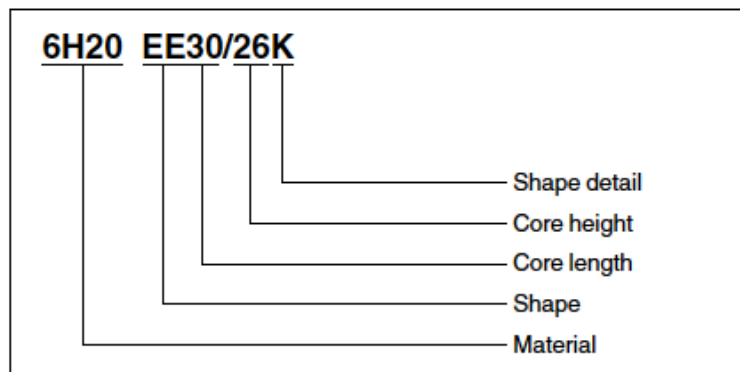


Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	2H10
EE10/10-4.5W	2.03	23.7	11.7	277				1.4		
EE10/11D	2.16	26.1	12.1	315	11.6	10.5L	24	1.4	850±25%	
EE12.6/13	2.41	29.7	12.4	369	12.6	12.2L	26.3	1.9	800±25%	3500±25%
EE13/11	1.33	27.9	21	586	24.7	19.5B	25.5	3.1	1400±25%	
EE13/12C	1.77	30.2	17.1	517	16.9	16.9C	34.3	2.5	1100±25%	
EE16/14K	1.87	35.2	18.9	663	18.2	18.2C	42.6	3.2	1100±25%	
EE16/14C	1.83	35.1	19.2	674	19.2	19.2LBC	41.6	3.4	1100±25%	
EE16/15	0.87	35.2	40.6	1430				7.2		
EE16/16	1.87	37.6	20.1	756	20.5	19.4B	41.6	3.6	1100±25%	
EE16/24B	2.87	55.1	19.2	1060	19.2	19.2LBC	81.6	5.3	800±25%	
EE19/16H	0.93	41	44	1802	43.7			9.1		
EE19/16K	1.72	39.6	23.1	915	22.8	22.8C	55.7	4.6	1200±25%	
EE19/16N	1.75	39.6	23.1	916	22.8	22.8C	56	4.6	1200±25%	
EE20/20A	1.45	46	32	1490	32.2	31.6B	62.6	7.5	1550±25%	
EE20/20D	1.45	47.7	32	1490	32.2	31.6B	69.7	7.5	1550±25%	
EE20/20E	0.916	47.7	47.78	2282	49.9	49.1B	69.3	11.5	2200±25%	
EE20/28	2.61	63.5	24.3	1543				7.6	868±25%	
EE22/19	1.15	42.5	37	1570	33.1	33.1C	54.7	8.3	1850±25%	
EE22/29	1.73	63.4	36	2280	33	33.0C	108	11.6	1200±25%	
EE22/30C	2.08	67.25	32.38	2177.3				11		
EE23/25	0.33	52.4	161	143.9	8431			44.5		

EE cores

Regular type

Designation

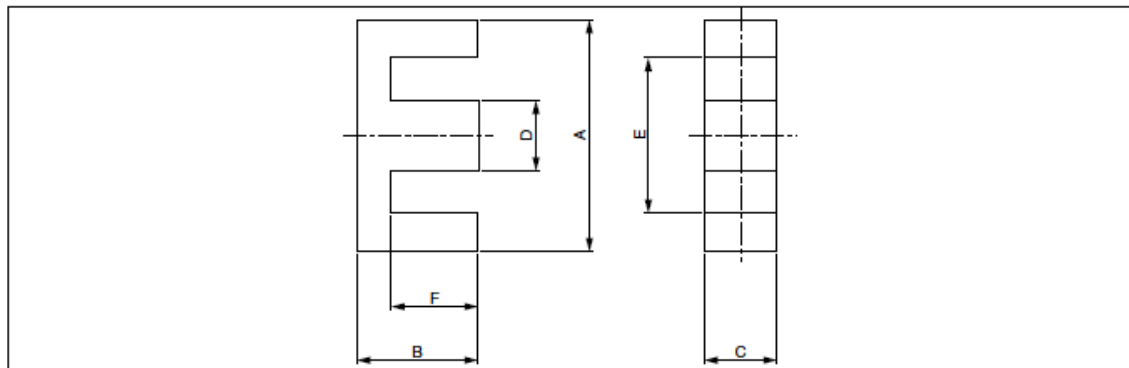


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EE24/16			24.0±0.5	8.0±0.2	7.7+0.15/-0.25	6.6+0.15/-0.25	17.1MIN.	4.7+0.15/-0.25
EE24/31A			24.5+0.4/-0.3	15.3±0.3	9.4±0.15	7.8±0.15	16.7MIN.	11.4±0.25
EE25/14			25.0±0.5	6.95±0.2	15.0±0.2	7.5±0.2	17.8MIN.	3.55±0.2
EE25/20			25.0±0.3	10.0+0.3/-0	6.4±0.3	6.4±0.3	18.2MIN.	6.5+0.3/-0
EE25/20N			25.4±0.5	10.0±0.3	12.6±0.2	6.35±0.25	19.1±0.4	7.0±0.2
EE25/33			25.0±0.3	16.3+0.5/-0	6.5±0.25	6.5±0.25	18.15MIN.	13.0+0.4/-0
EE25/25B	E25/7	FEE25.1	25.05±0.75	12.55±0.25	7.2±0.3	7.25±0.25	17.5MIN.	8.95±0.25
EE25/25C			25.05±0.75	12.55±0.25	10.75±0.25	7.25±0.25	17.5MIN.	8.95±0.25
EE25/25H			25.05±0.6	12.55±0.25	8.85±0.2	7.25±0.25	17.5MIN.	8.95±0.25
EE25/25L			25.0±0.5	12.50±0.30	11.0±0.3	7.2±0.3	17.5MIN.	9.0±0.30
EE25/19D			25.3±0.4	9.6±0.2	7.0±0.2	6.5±0.25	18.5MIN.	6.6±0.2
EE25/20B			25.3±0.4	9.95±0.2	6.6±0.25	6.4±0.2	19.0MIN.	6.75±0.15
EE25/23B			25.3±0.4	11.5±0.2	6.6±0.25	6.4±0.2	19.0MIN.	8.3±0.15
EE25/19Z		FEE25.4A	25.4±0.38	9.53±0.25	6.35±0.25	6.35±0.25	18.7MIN.	6.38±0.17
EE25/32Z		FEE25.4B	25.4±0.4	16.0±0.3	6.35±0.3	6.35±0.3	18.67MIN.	12.83±0.3
EE26/29A			26.0±0.3	14.35+0.4/-0	8.0±0.15	7.3±0.2	18.6MIN.	10.7±0.15
EE26/33A			26.0±0.3	16.35+0.4/-0	8.0±0.15	7.3±0.2	18.6MIN.	12.7±0.15
EE27/31			27.3±0.4	15.3±0.3	11.7+0.15/-0.2	7.7+0.15/-0.2	19.3MIN.	11.4±0.25

EE cores

Regular type

Summary

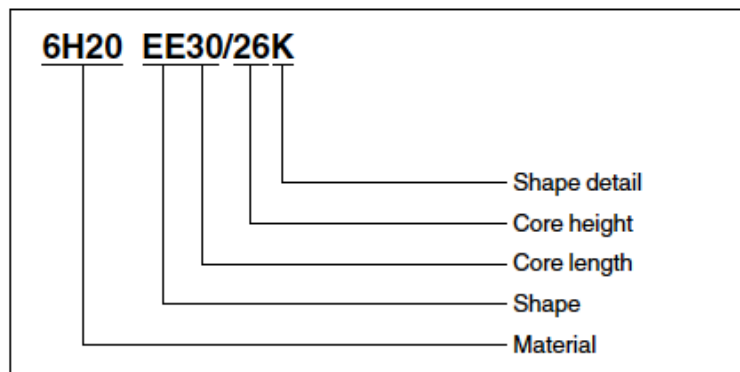


Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	2H10
EE24/16	0.79	39.98	50.6	2018				10.1	2350±25%	
EE24/31A	0.909	66.6	73.3	4880	73.3	70.5L	105	24.5	2550±25%	
EE25/14	0.35	35.85	101.34	3632.6	99.5	104.14		18.68	5900±25%	
EE25/20	1.16	49.3	42	2070	40.8	40.8C	80.5	10.5	1600±25%	
EE25/20N	0.64	50.3	78.2	3940				20	3300±25%	
EE25/33	1.79	75.2	42	3160	42.2	41.6L	160	15.8	1300±25%	
EE25/25B	1.11	57.7	51.7	2990	52.2	51.0L	95.8	15	2000±25%	
EE25/25C	0.75	57.8	77.3	4470	77.9			22.5	2800±25%	
EE25/25H	0.91	57.7	63.2	3651	64.2			18.5	2500±25%	
EE25/25L	0.74	57.86	77.75	4499				22.9		
EE25/19D	1.2	51.6	43	2232	45.5	42.0LB	84.5	10.6	1800±25%	
EE25/20B	1.21	49.8	41.3	2060	42.2	39.6L	87.1	10.3	1800±25%	
EE25/23B	1.37	56	41	2300	42.2	39.6L	107	11.5	1650±25%	
EE25/19Z	1.2	48.1	40.2	1940	40.3	40.0B	81	10.3	1800±25%	9000+35%/-25%
EE25/32Z	1.84	74	40.3	2970	40.3	40.3LBC	163	14.8	1350±25%	
EE26/29A	1.33	76	57	4330	58.4	56.0L	203	19.1	1800±25%	
EE26/33A	1.48	84	56.9	4780	58.4	56.0L	241	21.3	1650±25%	
EE27/31	0.78	69.69	89.27	6221.16	89.11			31.4	2750±25%	

EE cores

Regular type

Designation

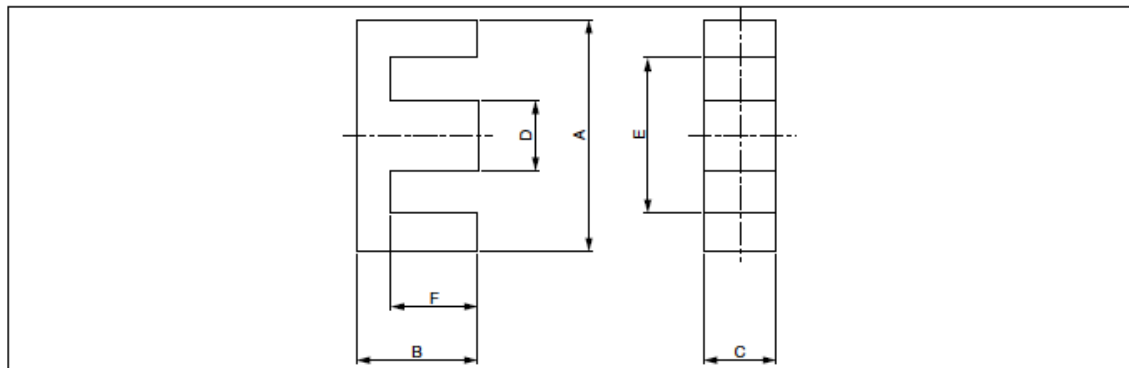


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EE28/20			28.0±0.4	10.0+0.25/-0	11.0+0/-0.6	7.5+0/-0.5	18.6MIN.	6.0+0.25/-0
EE28/20B			28.0±0.5	10.7+0.15/-0.1	12.0±0.3	7.2±0.3	18.6MIN.	6.2+0.15/-0.1
EE28/25A			28.0±0.3	12.5+0.35/-0.15	8.0±0.3	8.0+0.1/-0.3	19.6MIN.	8.5+0.25/-0.05
EE28/33		FEE28	28.0±0.4	16.5+0.5/-0	11.0+0/-0.6	7.5+0/-0.5	18.6MIN.	12.0+0.5/-0
EE28/28A			28.2±0.3	14.0+0.4/-0	8.0±0.15	7.3±0.2	20.8MIN.	10.35±0.15
EE30/26K		FEE30A	30.0±0.5	13.0+0.3/-0	11.0+0/-0.6	11.0+0/-0.6	19.5MIN.	8.0+0.3/-0
EE30/30A			30.0±0.5	14.9±0.25	6.9±0.3	6.9±0.2	19.5MIN.	10.15±0.2
EE30/31			30.0+0.5/-0.2	15.6±0.2	7.5±0.2	10.5±0.2	20.0MIN.	10.6±0.15
EE30/31A			30.0+0.5/-0.2	15.6±0.2	10.5±0.2	10.5±0.2	20.0MIN.	10.6±0.15
EE30/42K		FEE30B	30.0±0.4	21.0+0.5/-0	11.0+0/-0.6	11.0+0/-0.6	19.5MIN.	16.0+0.5/-0
EE30/26B			30.1±0.3	13.13±0.12	10.69±0.3	10.69+/-0.27	20.0MIN.	8.13±0.12
EE31/26B			30.5±0.5	13.1±0.15	9.4±0.3	9.4±0.3	22.2MIN.	8.6+0.3/-0.1
EE31/27			30.7+0.8/-0.6	13.4±0.2	9.4±0.3	9.4±0.25	21.8MIN.	8.9±0.3
EE31/37			30.7±0.6	18.5±0.2	9.4±0.3	9.4±0.3	21.6MIN.	14.2+0.3/-0.1
EE32/32A	E32/9	FEE32.1	32.0+0.9/-0.7	16.1±0.3	9.15±0.35	9.2±0.3	22.7MIN.	11.6+0.3/-0.1
EE33/28B			33.2±0.5	14.15±0.15	12.7±0.3	9.8±0.3	23.7MIN.	9.65±0.15
EE33/33A			33.1±0.4	16.5±0.2	9.0+0/-0.4	9.0+0/-0.4	24.2MIN.	12.2±0.2
EE33/48			33.0±0.5	23.75±0.25	12.7±0.3	9.7±0.3	24.0±0.5	19.25±0.25
EE34/28A			34.6±0.45	14.2±0.2	9.27±0.25	9.27±0.25	25.4MIN.	9.9±0.25

EE cores

Regular type

Summary

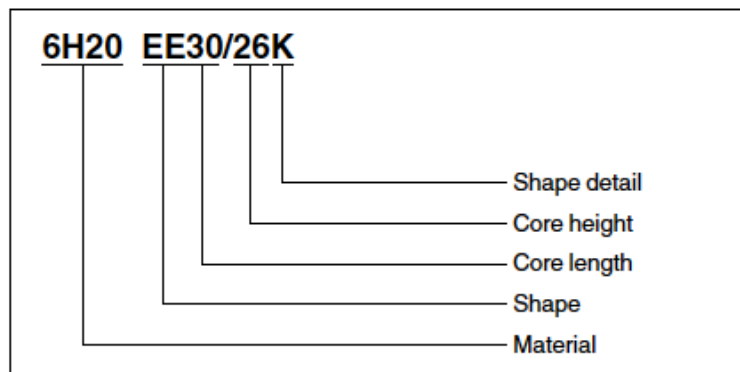


Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	2H10
EE28/20	0.559	48.2	86.2	4160	77.6	77.6C	72	23	4000±25%	
EE28/20B	0.508	49.9	98.2	4910	86.4	86.4C	73.2	25.6	4500±25%	
EE28/25A	0.931	59	63.4	3740	63.2	63.2C	104	19.1	2400±25%	
EE28/33	0.844	73.6	87.2	6420	77	77.0C	145	32.1	2800±25%	
EE28/28A	1.48	84.2	56.9	4790	58.4	56.0L	144	19	1650±25%	
EE30/26K	0.528	57.9	110	6360	114	107L	75.8	32.2	4200±25%	
EE30/30A	1.15	66.1	57.3	3790	47.6	47.6C	134	20.7	1900±25%	
EE30/31	0.907	68.1	75.1	5110	78.8	72.0L	107	23.7	2600±25%	
EE30/31A	0.64	68	106.4	7181	110			36.3		
EE30/42K	0.823	90.2	110	9920	114	107LB	152	49.8	3000±5%	
EE30/26B	0.621	61.3	97.6	5980	114	107LB	76.4	32	4200±25%	
EE31/26B	0.723	61	84.4	5150	88.4	79.9L	110	25.8	3150±25%	
EE31/27	0.76	62.5	82.7	5169				26	2900±25%	
EE31/37	1.01	83.5	82.5	6874				35	2100±25%	
EE32/32A	0.886	74.8	84.4	6310	84.2	78.7L	167	31	2700±25%	
EE33/28B	0.561	65.6	117	7680	123	114LB	138	39	4150±25%	
EE33/33A	1.02	78.1	76.3	5960	77.4	75.7LB	299	29.5	2600±25%	
EE33/48	0.9	105.6	117	12337	123.2			62	2600±25%	
EE34/28A	0.852	69.9	82.1	5750	85.9	79.7B	164	29.5	2500±25%	

EE cores

Regular type

Designation

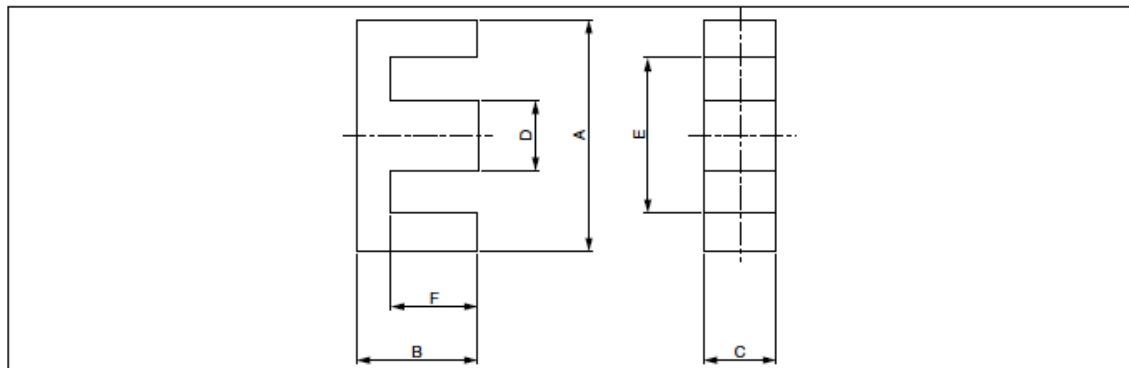


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EE35/22B			35.0±0.5	11.4±0.25	10.0±0.2	10.0±0.3	24.5MIN.	6.4±0.25
EE35/22E			35.0±0.5	11.4±0.25	30.0±0.3	10.0±0.3	24.5MIN.	6.4±0.25
EE35/22F			35.0±0.5	11.4±0.25	40.0±0.2	10.0±0.3	24.5MIN.	6.4±0.25
EE35/29A			34.93±0.5	14.43±0.25	9.53±0.25	9.53±0.25	25.04MIN.	9.68±0.25
EE35/35A			35.0±0.5	17.5±0.25	10.0±0.3	10.0±0.3	24.5MIN.	12.5±0.25
EE35/37			35.0+0.7/-0.5	18.3±0.2	10.0±0.3	10.0±0.3	24.5MIN.	13.3±0.2
EE35/48		FEE35B	35.0±0.5	24.2±0.4	10.3+0/-0.5	10.3+0/-0.5	25.0±0.5	18. ±0.3
EE35/48C		FEE35C	35.0+0.7/-0.5	24.2±0.4	11.7±0.3	10.0±0.3	24.5MIN.	18.2±0.3
EE40/34B			40.0±0.6	16.75±0.35	12.0+0/-0.7	12.0+0/-0.7	26.8MIN.	10.55+0.2/-0
EE40/34A			40.0±0.5	16.7+0.6/-0	12.0+0/-0.7	11.0+0/-0.6	27.4MIN.	10.0+0.5/-0
EE40/34K		FEE40A	40.0±0.5	16.7+0.6/-0	11.0+0/-0.6	11.0+0/-0.6	27.4MIN.	10.0+0.5/-0
EE40/35A			40.8±0.55	16.6±0.25	12.4±0.3	12.5±0.3	28.6MIN.	10.7±0.28
EE41/33			41.28±0.8	16.76±0.13	12.7±0.25	12.7±0.25	28.01MIN.	10.54±0.13
EE42/42-15W	E42/15	FEE42.2A	42.0+1.0/-0.7	21.2+0/-0.4	15.2+0/-0.5	12.2+0/-0.5	29.5+1.2/-0	14.8+0.7/-0
EE42/42-20W	E42/20	FEE42.2B	42.0+1.0/-0.7	21.2+0/-0.4	20.0+0/-0.8	12.2+0/-0.5	29.5+1.2/-0	14.8+0.7/-0
EE50/40-16W			49.5±0.95	19.75±0.25	16.1±0.3	15.1±0.3	34.38±0.65	12.2±0.3
EE50/40-32W			49.5±0.95	19.75±0.25	32.2±0.3	15.1±0.3	34.38±0.65	12.2±0.3
EE55/55A	E55/21	FEE55.2A	55.0+1.2/-0.9	27.8+0/-0.6	21.0+0/-0.6	17.2+0/-0.5	37.5+1.2/-0	18.5+0.8/-0
EE55/55B	E55/25	FEE55.2B	55.0+1.2/-0.9	27.8+0/-0.6	25.0+0/-0.8	17.2+0/-0.5	37.5+1.2/-0	18.5+0.8/-0
EE56/47A			56.6±.55	23.6±0.25	18.7±0.3	18.7±0.3	38.1MIN.	14.8±0.3
EE65/65			65.2±1.4	32.5±0.5	26.9±0.5	19.6±0.5	44.2MIN.	22.6±0.5
EE71/66			70.5±1.5	33.2±1	32+0/-0.8	22+0/-0.7	48+1.5/-0	21.9+0.7/-0
EE80/76			80.0+/-1.0	38.1±0.4	19.8±0.4	19.8±0.4		28.2±0.3

EE cores

Regular type

Summary



Product code	Magnetic parameter								AL (nH/N ²)	
	C1 (mm ⁻¹)	Le (mm)	Ae (mm ²)	Ve (mm ³)	Ac (mm ²)	A _{MIN.} (mm ²)	Aw (mm ²)	W (g)	6H20	2H10
EE35/22B	0.562	56.2	100	5624.3				29.1		
EE35/22E	0.19	56.2	300	16885.9				87.2		
EE35/22F	0.14	56.4	401.4	22641				112		
EE35/29A	0.768	69.6	90.6	6300	90.8	90.5LB	154	32.2	3400±25%	
EE35/35A	0.807	80.7	100	8070	100	100LBC	188	40.6	3000±25%	
EE35/37	0.839	83.9	100	8390	100	100LBC	200	42.5	2600±25%	
EE35/48	1.01	105	104	10800	100	100LC	273	54	2500±25%	
EE35/48C	0.863	105	121	12700	117	117LC	273	63.5	2900±25%	
EE40/34B	0.544	77.5	142	11000	137	137C	167	52	4200±25%	
EE40/34A	0.557	77.4	139	10800	125	125C	177	56.4	4500±25%	
EE40/34K	0.608	77.4	127	9860	114	114C	178	52	3800±25%	
EE40/35A	0.526	78.1	149	11600	155	145L	178	58.8	4250±25%	
EE41/33	0.483	77.3	160	12400	161	158LB	169	63	4950±25%	
EE42/42-15W	0.542	97.8	180	17600	180	180BC	276	87	4400±25%	
EE42/42-20W	0.415	97.8	236	23000	235	235BC	276	118	5600±25%	
EE50/40-16W	0.38	91.92	243.53	22386.3				112		
EE50/40-32W	0.19	91.34	483.95	44204.1				224		
EE55/55A	0.35	124	353	43700	352	352C	400	218	6700±25%	
EE55/55B	0.295	124	420	52000	417	417C	400	260	8650±25%	
EE56/47A	0.316	107	345	36700	352	329B	292	189	6500±25%	
EE65/65	0.27	147	535	78600				394	7900±30%/-20%	
EE71/66	0.219	150	687	103333	684	684C	603	527	9600±25%	
EE80/76	0.491	185	377	69800	392	352L	1480	350	4800±25%	

EE cores

Planar type

Features

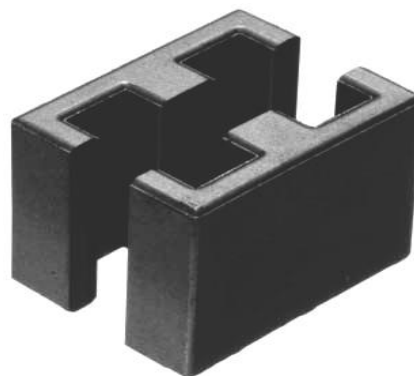
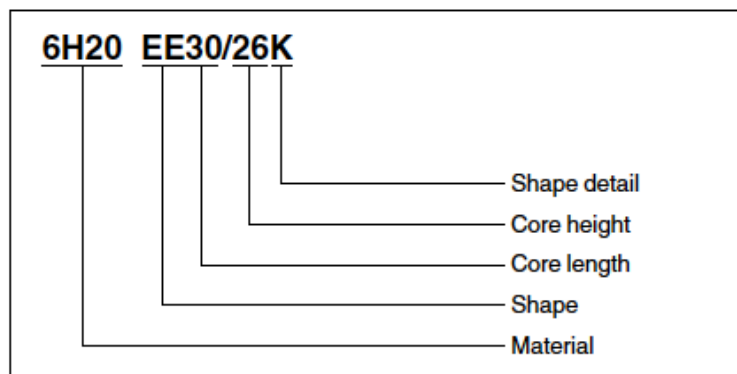
Suitable for making planar transformers.

Varieties of core types are available according to customers' to choose.

Applications

DCDC converter (Planar type transformer)

Designation

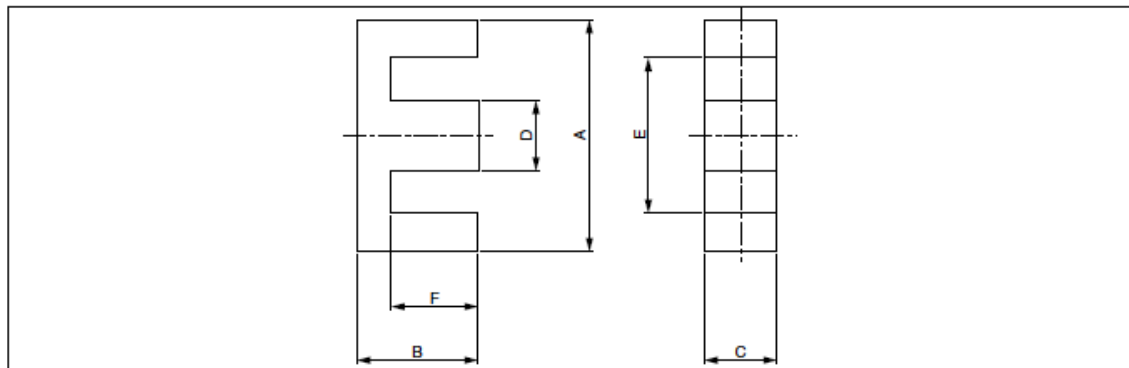


Product code	General standard		Dimensions(mm)					
	IEC	JIS	A	B	C	D	E	F
EE05/05	E5.3/2	FEE5.25	5.25±0.05	2.65±0.05	1.95±0.05	1.35±0.05	3.85typ.	2typ.
EE08/08			8.3±0.2	4.0±0.1	3.9±0.15	1.85±0.2	6.0+0.3/-0	3.0+0.2/-0.05
EE09/08	E8.8/2	FEE9	9.017typ.	3.937±0.127	1.905±0.102	1.905±0.127	5.207±0.127	2.159±0.127
EE10/10A			10.2±0.3	4.75±0.2	12.0±0.3	2.4±0.2	7.6MIN.	3.75±0.15
EE10/11			10.2±0.3	5.5±0.2	9.9±0.2	2.4±0.2	7.6MIN.	4.3±0.2
EE13/13B			12.9±0.4	6.5±0.2	9.8±0.2	3.5±0.2	9.0MIN.	4.8±0.2
EE14/04			14.2±0.2	2.05±0.05	6.7±0.1	2.8±0.1	11.0MIN.	0.7±0.1
EE14/06			14.2±0.2	2.85±0.05	10.0±0.2	3.4±0.1	12.2±0.1	1.2±0.1
EE14/07	E/E14		14.0±0.3	3.5±0.1	5.0±0.1	3.0±0.1	11.0±0.25	2.0±0.1
EE15/08			15.0±0.3	3.5±0.2	10.2+0.2/-0.4	3.15±0.15	11.7MIN.	2.4±0.15
EE17/17			16.5+0.4/-0.3	8.4+0/-0.3	8.4+0/-0.3	4.7+0/-0.3	11.7MIN.	5.7+0.4/-0
EE18/08	E/E18		18.0±0.35	4.0±0.1	10.0±0.2	4.0±0.1	14.0±0.3	2.0±0.1
EE19/16L			19.3+0.5/-0.3	7.9±0.25	9.5±0.2	4.6±0.15	14.4MIN.	5.6±0.15
EE20/19D			20.0±0.4	9.6±0.2	12.0±0.2	5.8±0.2	13.5MIN.	6.9±0.2
EE20/20E			20.4±0.4	10.15±0.15	8.75±0.15	5.7±0.2	14.5MIN.	7.45±0.2
EE20/20F			20.4±0.4	10.15±0.15	10.95±0.2	5.7±0.2	14.5MIN.	7.45±0.2
EE22/10			21.8±0.4	4.8±0.15	15.8±0.3	5.0±0.1	16.8±0.4	1.65±0.15
EE22/11A	E/E22		21.8±0.4	5.7±0.1	15.8±0.3	5.0±0.1	16.8±0.4	3.2±0.1
EE25/18			25.0+0/-0.5	9.0+0/-0.25	10.5+0/-0.4	7.8±0.2	17.0MIN.	5.0+0/-0.25
EE25/20D			25.4±0.5	9.7±0.2	25.0±0.3	6.35±0.25	19.1±0.4	6.7±0.2
EE25/20N			25.4±0.5	10.0±0.3	12.6±0.2	6.35±0.25	19.1±0.4	7.0±0.2

EE cores

Planar type

Summary



Product code	Magnetic parameter								AL (nH/N ²)	
	C1 (mm ⁻¹)	Le (mm)	Ae (mm ²)	Ve (mm ³)	Ac (mm ²)	A _{MIN.} (mm ²)	Aw (mm ²)	W (g)	6H20	2H10
EE05/05	4.77	12.6	2.64	33.2	2.63	2.54B	5	0.17	200MIN.	980MIN.
EE08/08	2.51	19.4	7.74	150				0.8	675+35%/-15%	
EE09/08	3.13	22.9	8.4	78	3.61	3.61C	7.23	0.4	450MIN.	1800MIN.
EE10/10A	0.88	23.7	27	641				3.28	2500±25%	
EE10/11	1.07	26.2	24.4	640						
EE13/13B	0.89	30.4	34.3	1046				5.4	2250±25%	
EE14/04	0.9	15.7	17.4	273	18.3			1.56		
EE14/06	0.65	16.48	25.29	416.84	18.56	18.56		2.71		
EE14/07	1.45	20.7	14.3	296	15	13.9L	16	1.5		
EE15/08	0.86	22.08	25.58	564.98	31.82			1.65	2100±25%	
EE17/17	1.03	38.26	37.29	1426.7	37.32	36.62		7		
EE18/08	0.618	24.3	39.3	955	40	38.9L	20	4.8		
EE19/16L	0.9	39.65	44	1745	43.8			8.9		
EE20/19D	0.645	44.2	68.5	3026				15.5		
EE20/20E	1	47.7	47.88	2282				11.5	2200±25%	
EE20/20F	0.79	47.7	60.3	2872				15	24700±25%	
EE22/10	0.45	27	89.4	2415.7	79			12.9		
EE22/11A	0.414	32.5	78.3	2540	79	77.9L	37.8	12.7		
EE25/18	0.52	41.3	79.7	3290	80.34			16.8		
EE25/20D	0.33	50.44	155	7817.25				39.1		
EE25/20N	0.64	50.3	78.2	3940				20		

El cores

Regular type

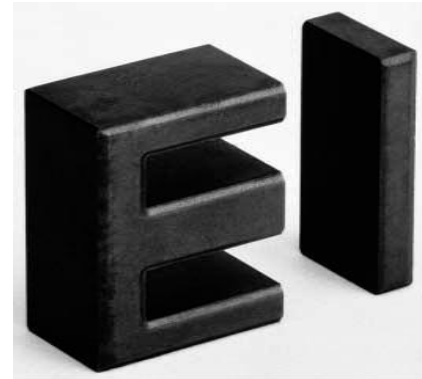
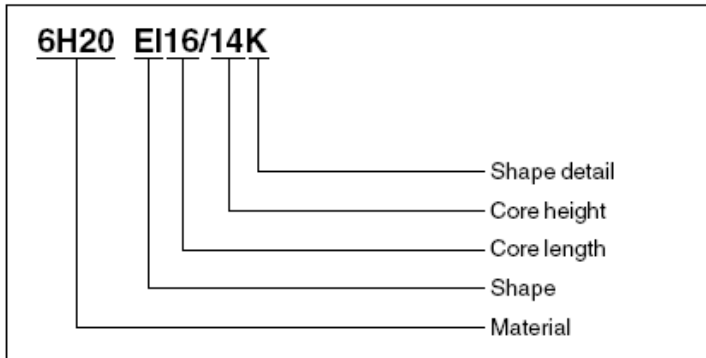
Features

Varieties of core types are available according to customers' needs.

Applications

Switching power supply transformers, choke coils, inverters, converters, pulse transformers and so on.

Designation

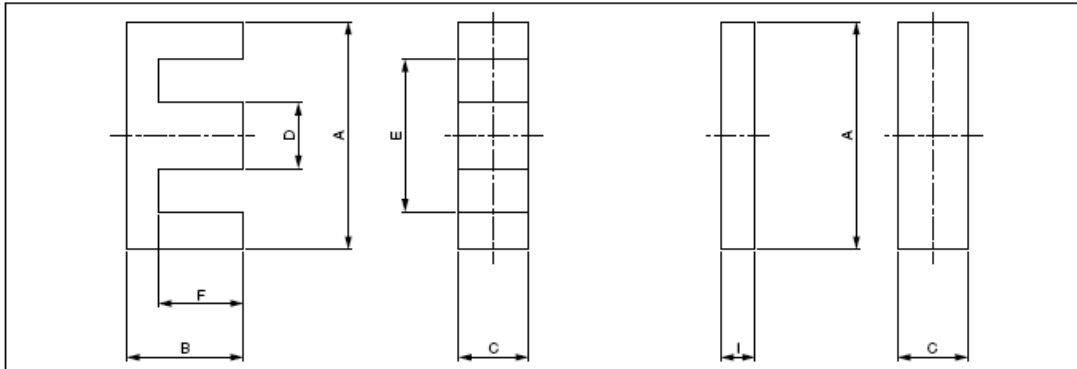


Product code	General standard		Dimensions(mm)						
	IEC	JIS	A	B	C	D	E	F	I
EI12.5/09		FEI12.5	12.5±0.3	7.6+0/-0.4	5.0±0.2	2.6+0/-0.4	9.0MIN.	4.9+0.4/-0	1.5±0.15
EI16/14K		FEI16	16.0±0.3	12.0+0.4/-0	5+0/-0.4	4.0±0.2	11.8MIN.	10.0+0.4/-0	2.0±0.2
EI19/16		FEI19	19.0+0.4/-0.3	13.4±0.3	5.0±0.2	4.5±0.2	14.2MIN.	11.0±0.3	2.4±0.2
EI22/18		FEI22	22.0±0.5	14.5+0.5/-0	6.0+0/-0.5	6.0+0/-0.5	16.0±0.5	10.5+0.5/-0	4.0±0.2
EI25/19			25.0±0.3	16.3+0.5/-0	6.5±0.25	6.5±0.25	18.15MIN.	13.0+0.4/-0	3.0±0.2
EI25/19Z		FEI25.4	25.4+0.5/-0.4	16.0±0.3	6.35±0.3	6.35±0.3	18.6MIN.	12.9±0.3	3.2±0.2
EI28/20		FEI28	28.0±0.4	16.5+0.5/-0	11.0+0/-0.6	7.5+0/-0.5	18.6MIN.	12.0+0.5/-0	3.5±0.2
EI30/26K		FEI30	30.0±0.4	21.0+0.5/-0	11.0+0/-0.6	11.0+0/-0.6	19.5MIN.	16.0+0.5/-0	5.5±0.2
EI33/29			33.0±0.5	23.75±0.25	12.7±0.3	9.7±0.3	24.0±0.5	19.25±0.25	5.0±0.3
EI35/29		FEI35A	35.0±0.5	24.2±0.4	10.3+0/-0.5	10.3+0/-0.5	25.0±0.5	18.2±0.3	5.0±0.2
EI40/35K		FEI40	40.2±0.5	27.0+0.5/-0	12.0+0/-0.7	12.0+0/-0.7	27.3MIN.	20.0+0.5/-0	7.5±0.3
EI50/42K		FEI50	50.0±0.7	33.0+0.7/-0	15.0+0/-0.8	15.0+0/-0.8	33.5MIN.	24.5+0.7/-0	9.0±0.3

El cores

Regular type

Summary



Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	7H10
EI12.5/09	1.42	21.6	15	324	12	12.0C	35.2	1.9	1000±25%	
EI16/14K	1.81	34.6	19	657	19.2	18.7L	82.6	3.3	1000±25%	
EI19/16	1.71	39.3	23	903	22.5	22.5LC	55	4.5	1100±25%	
EI22/18	1.11	41.9	37	1550	33.1	33.1C	110	8.3	1700±25%	
EI25/19	1.17	48.5	42	2040	42.3	41.6L	160	10.1	1750±25%	
EI25/19Z	1.2	48.3	40.2	1940	40.3	39.4B	81.7	9.7	1700±25%	
EI28/20	0.569	48.4	84	4070	77.6	77.6C	144	22	3400±25%	
EI30/26K	0.524	58.1	111	6450	114	107LB	151	32.3	4000±25%	
EI33/29	0.567	67.6	119.3	8067.4				41	4200±25%	
EI35/29	0.66	67.3	102	6870	101	101LC	272	36.3	3000±25%	
EI40/35K	0.522	76.8	148	11400	136	136C	323	59.2	4200±25%	
EI50/42K	0.412	94.7	230	21800	213	213C	497	114	5000±25%	

El cores

Planar type

Features

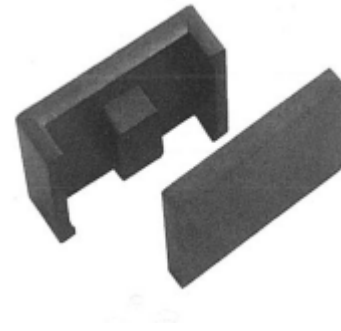
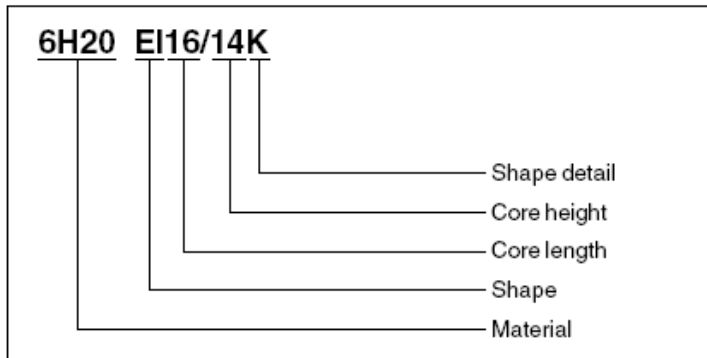
Suitable for making planar transformers.

Varieties of core types are available according to customers' to choose.

Applications

DCDC converter (Planar type transformer)

Designation

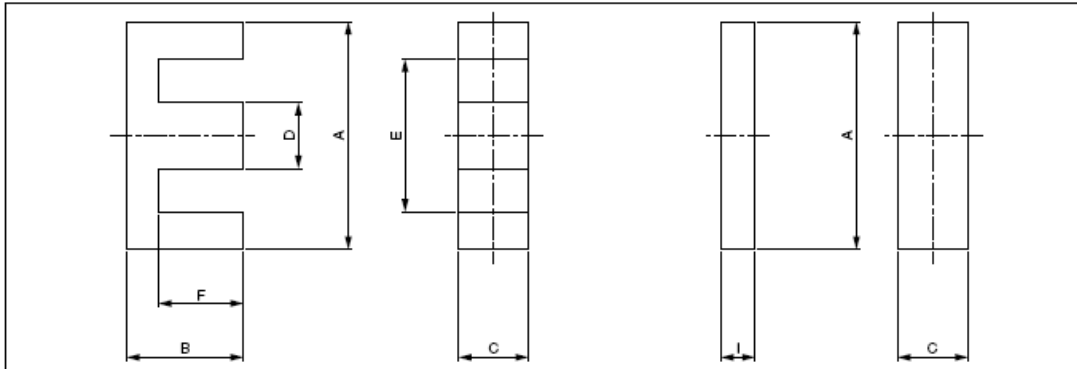


Product code	General standard		Dimensions(mm)							
	IEC	JIS	A	B	C	C1	D	E	F	I
EI11/03			10.83±0.18	2.3±0.05	5.9±0.1	4.2±0.1	2.90±0.1	8.80±0.15	1.3±0.1	0.95±0.05
EI14/05	E/PLT14		14.0±0.3	3.5±0.1	5.0±0.1		3.0±0.1	11.0±0.25	2.0±0.1	1.5±0.1
EI18/06	E/PLT18		18.0±0.35	4.0±0.1	10.0±0.2		4.1±0.1	14.0±0.3	2.0±0.1	2.0±0.1
EI22/08			21.6±0.25	5.72±0.07	15.9±0.25		5.08±0.12	16.1MIN.	3.18±0.1	2.54±0.12
EI22/08A	E/PLT22		21.8±0.4	5.7±0.1	15.8±0.3		5.0±0.1	16.8±0.4	3.2±0.1	2.5±0.1
EI22/09			21.6±0.25	5.72±0.07	15.9±0.25		5.08±0.12	16.1MIN.	3.18±0.1	2.54±0.12
EI24/07A			2.355±0.4	5.6+0.1/-0	16.2±0.2		6.4±0.1	17.15±0.25	3.7+0.15/-0	1.80±0.05

El cores

Planar type

Summary



Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	6H40
EI11/03	1.17	11.82	10.14	119.85	11.97	9.3		0.79		
EI14/05	1.15	16.7	14.5	242	15	13.9L	8	1.2	1270±25%	
EI18/06	0.513	20.3	39.5	802	40	38.9L	10	4	3080±25%	
EI22/08	0.32	25.8	80.5	2080	80.5	80.5LBC	15	15	5350±25%	
EI22/08A	0.332	26.1	78.5	2050	79	77.9L	18.9	18.9	6000±25%	
EI22/09	0.32	25.8	80.5	2080				10.8		
EI24/07A	0.38	25.48	67.52	1720.21	88.32			9.63		

RM cores

Regular type

Features

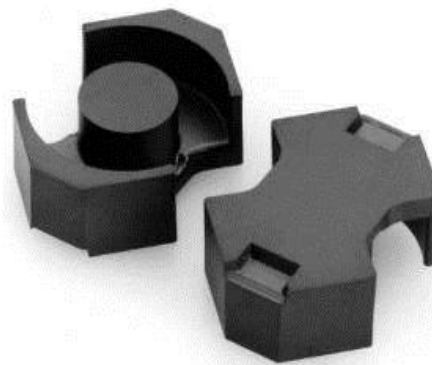
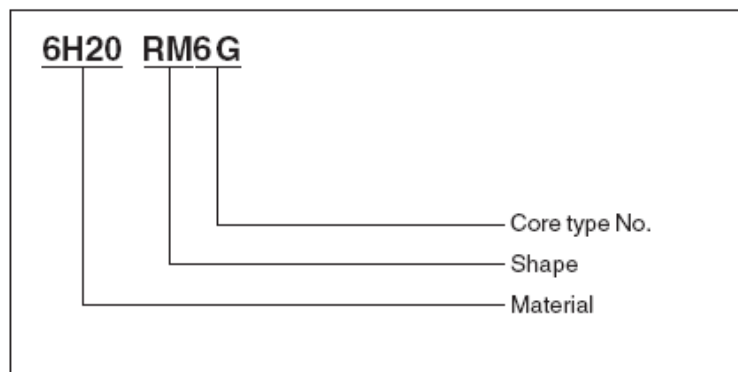
RM core is designed according to IEC standard core types.

Suitable for high-dense mount.

Applications

Varieties of switching power supply transformers, choke coils, filters, inductors and so on.

Designation

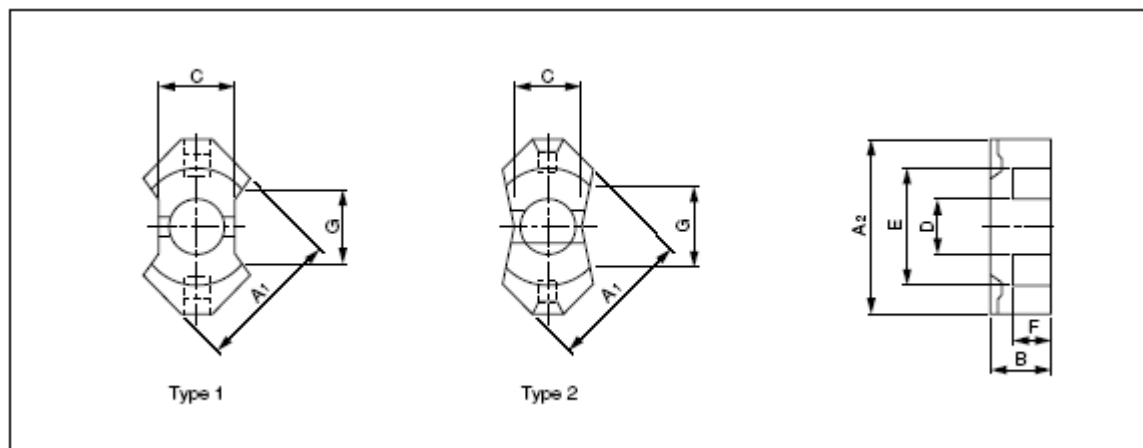


Product code	Type	General standard		Dimensions(mm)							
		IEC	JIS	A1	A2	B	C	D	E	F	G
RM4G	1	RM4-φ		9.8+0/-0.4	11.0+0/-0.4	5.25+0/-0.1	4.6+0/-0.2	3.9+0/-0.2	8.0+0/-0.3	3.5+0.2/-0	5.8MIN.
RM5G	1	RM5-φ	RM5-J	12.3+0/-0.4	14.9+0/-0.8	5.25+0/-0.1	6.8+0/-0.4	4.9+0/-0.2	10.2+0.4/-0	3.15+0.2/-0	6.0MIN.
RM6G	2	RM6-S-φ	RM6-S-J	14.7+0/-0.6	17.9+0/-0.6	6.25+0/-0.1	8.2+0/-0.4	6.4+0/-0.2	12.4+0.5/-0	4.0+0.2/-0	8.4MIN.
RM7G	2			17.2+0/-0.7	20.3+0/-0.8	6.75+0/-0.1		7.25+0/-0.3	14.75+0.65/-0	4.2+0.25/-0	9.3MIN.
RM8G	1	RM8-φ	RM8-J	19.7+0/-0.7	23.2+0/-0.9	8.25+0/-0.1	11.0+0/-0.4	8.55+0/-0.3	17.0+0.6/-0	5.4+0.2/-0	10.5MIN.
RM10G	1	RM10-φ	RM10-J	24.7+0/-1.1	28.5+0/-1.3	9.35+0/-0.1	13.5+0/-0.5	10.9+0/-0.4	21.2+0.9/-0	6.2+0.3/-0	11.3MIN.
RM10B	1			24.15±0.55	27.85±0.65	9.4±0.15	13.25±0.25	10.7±0.2	21.65±0.45	6.45±0.15	13.7MIN.
RM12G	1	RM12-φ	RM12-J	29.8+0/-1.2	37.6+0/-1.5	12.3+0/-0.1		12.8+0/-0.4	24.9+1.1/-0	8.4+0.3/-0	12.9MIN.
RM14G	1	RM14-φ	RM14-J	34.8+0/-1.3	42.2+0/-1.2	15.1+0/-0.1	19.0+0/-0.6	15.0+0/-0.5	29+1/-0	10.4+0.3/-0	17MIN.

RM cores

Regular type

Summary



Product code	Magnetic parameter								AL		
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)		
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	2H07	2H10
RM4G	1.7	22	13	286	11.3	11.3	14.6	1.65	950+30%/-20%	1800±30%	3700+40%/-30%
RM5G	0.938	22.3	23.8	530	18.1	18.1C	18.2	3.2	2000+30%/-20%	3500±30%	6700+40%/-30%
RM6G	0.799	28.5	35.7	1020	31.2	30.7B	26	5.3	2400+30%/-20%	4300±30%	8600+40%/-30%
RM7G	0.7	30.4	43	1340	39.6	39	68.98	7.2	2600+30%/-20%	5500±30%	9900+40%/-30%
RM8G	0.59	38	64	2400	55.4	55.0B	52.2	12.2	3300+30%/-20%	6000±30%	12500+40%/-30%
RM10G	0.453	45	99	4500	90	90.0C	69.5	22	4200+30%/-20%		
RM10B	0.445	44.19	99.31	4388.23	89.92			20.66	4800±25%		
RM12G	0.374	56	150	8400	125	125C	113	44.1	5300+30%/-20%		
RM14G	0.35	70	200	14000	170.9	170	155.6	74	6000+30%/-20%		

RM cores

Planar type

Features

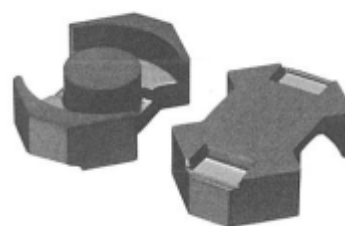
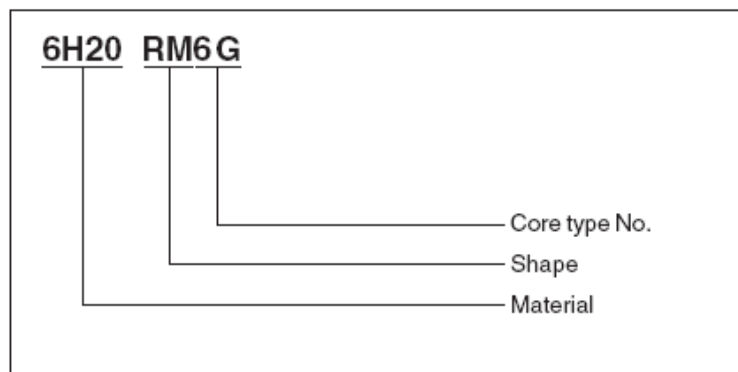
Suitable for making planar transformers.

Varieties of core types are available according to customers' to choose.

Applications

DCDC converter (Planar type transformer)

Designation

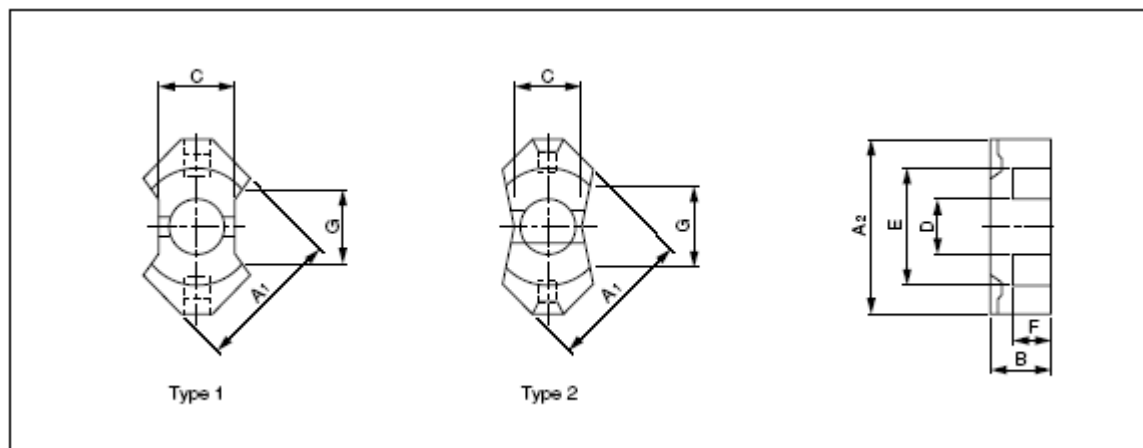


Product code	Type	General standard		Dimensions(mm)							
		IEC	JIS	A1	A2	B	C	D	E	F	G
RM5GA	1			12.3+0/-0.4	14.9+0/-0.8	3.56+/-0.05	6.8+0/-0.4	4.9+0/-0.2	10.2+0.4/-0	1.6±0.1	6.0MIN.
RM5GP	1	RM5/8		12.3+0/-0.4	14.9+0/-0.8	3.9+0/-0.1	6.8+0/-0.4	4.9+0/-0.2	10.2+0.4/-0	1.8+0.2/-0	6.0MIN.
RM6GL	2			14.7+0/-0.6	17.9+0/-0.6	3.55+0/-0.1	8.2+0/-0.4	6.4+0/-0.2	12.4+0.5/-0	1.35+0.2/-0	8.4MIN.
RM6GP	2	RM6/9		14.7+0/-0.6	17.9+0/-0.6	4.5+0/-0.1	8.2+0/-0.4	6.4+0/-0.2	12.4+0.5/-0	2.25+0.2/-0	8.4MIN.
RM8GP	1	RM8/11		19.7+0/-0.7	23.2+0/-0.9	5.8+0/-0.1	11.0+0/-0.4	8.55+0/-0.3	17.0+0.6/-0	2.95+0.2/-0	10.5MIN.
RM10GL	1			24.7+0/-1.1	28.5+0/-1.3	4.75+/-0.1	13.5+0/-0.5	10.9+0/-0.4	21.2+0.9/-0	1.98±0.1	11.3+1.3/-0
RM10GP	1	RM10/13		24.7+0/-1.1	28.5+0/-1.3	6.5+0/-0.1	13.5+0/-0.5	10.9+0/-0.4	21.2+0.9/-0	3.35+0.2/-0	11.3MIN.
RM12GB	1			29.8+0/-1.2	37.6+0/-1.5	8.5±0.2	(15.79)	12.8+0/-0.4	24.9+1.1/-0	5.35+/-0.15	12.9MIN.
RM12GP	1	RM12/17		29.8+0/-1.2	37.6+0/-1.5	8.4+0/-0.1	(15.79)	12.8+0/-0.4	24.9+1.1/-0	4.5+0.25/-0	12.9MIN.

RM cores

Planar type

Summary



Product code	Magnetic parameter								AL			
	C1	Le	Ae	Ve	Ac	AMIN.	Aw	W	(nH/N ²)			
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	7H20	2H07	2H10
RM5GA	0.794	18.9	23.8	450	18.1	18.1C	8.3	2.4	2070±25%			
RM5GP	0.704	17.4	24.7	430	18.1	18.1C	9.5	2.6	2270±25%			
RM6GL	0.496	17.7	35.7	632	31.2	30.7B	8.1	3.4	3020±25%			
RM6GP	0.611	22	36	791	31.2	30.7B	13.5	4	2660±25%			
RM8GP	0.409	27.7	67.6	1870	55.4	55B	24.9	9.2	4075±25%			
RM10GL	0.271	26.8	99	2650	90	90C	20.3	13.2	6100±25%	4330±25%		
RM10GP	0.334	33.4	100	3340	90	90C	34.5	17.2	5300±25%			
RM12GB	0.271	26.8	99	2653	125	125C	20.4	13.2	6100±25%			
RM12GP	0.279	41.3	148	6120	125	125C	54.5	33.6	6730±25%			

EP cores

Regular type

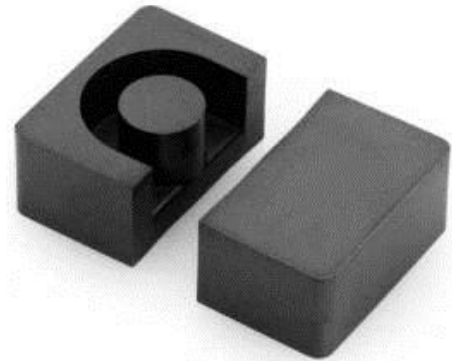
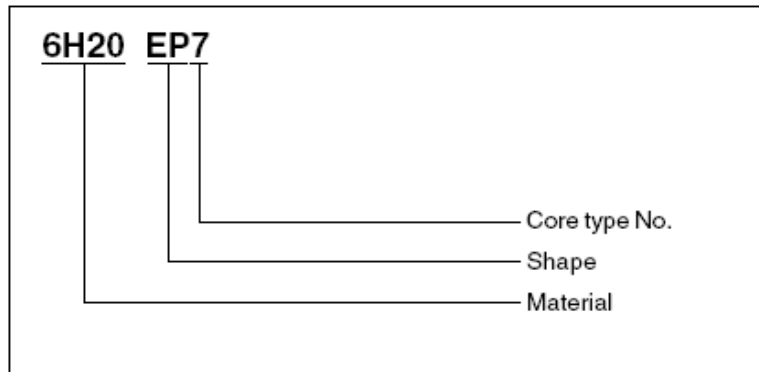
Features

This core type is designed special for high-dense mount and effectively reduce the volume of transformers.
Superior electromagnetic shielding effect.

Applications

Wide frequency transformers, switching power supply transformers, coils and so on.

Designation

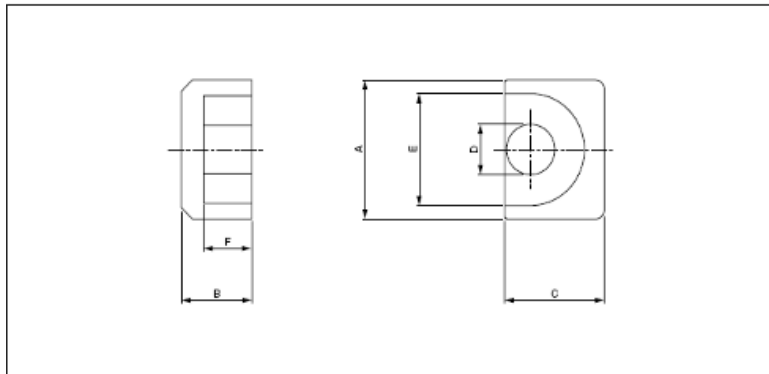


Product code	General standard		Dimentions(mm)					
	IEC	JIS	A	B	C	D	E	F
EP5	EP5		6.15+0/-0.3	2.85+0/-0.1	3.9+0/-0.2	1.8+0/-0.2	4.25+0.3/-0	1.9+0.2/-0
EP7	EP7	EP7	9.2±0.2	3.75+0/-0.1	6.5+0/-0.3	3.4+0/-0.2	7.4±0.2	2.5+0.2/-0
EP10	EP10	EP10	11.5±0.3	5.2+0/-0.2	7.85+0/-0.4	3.45+0/-0.3	9.4±0.2	3.6+0.2/-0
EP13	EP13	EP13	12.5±0.3	6.5+0/-0.15	9.0+0/-0.4	4.5+0/-0.3	10.0±0.3	4.5+0.2/-0
EP13B			12.5±0.4	6.5±0.15	9.0+0/-0.4	4.5+0/-0.4	9.9MIN.	4.7+0.2/-0.1
EP17	EP17	EP17	18.0±0.4	8.5+0/-0.3	11.25+0/-0.5	5.85+0/-0.35	12.0±0.4	5.5+0.3/-0
EP20	EP20	EP20	24.0±0.5	10.8+0/-0.2	15.3+0/-0.7	9.0+0/-0.5	16.5±0.4	7.0+0.3/-0
EOP7			9.4+0/-0.4	3.75+0/-0.1	9+0/-0.4	3.4+0/-0.2	7.2+0.4/-0	2.3+0.2/-0
EPM13			12.8+0/-0.6	6.5+0/-0.15	7.4+0/-0.4	4.5+0/-0.3	9.7+0.6/-0	4.5+0.2/-0
EPM24/13			23.9±0.4	6.75+0/-0.2	19.9±0.4	9.5+0/-0.4	19.9±0.4	3.35+0.3/-0

EP cores

Regular type

Summary



Product code	Magnetic parameter								AL			
	C1	Le	Ae	Ve	Ac	AMIN.	Aw	W	(nH/N ²)			
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	2H07	2H10	2H15
EP5	3.15	9.73	3.09	30	2.27	2.27	5.4	0.5	350 ^{+30%} _{-20%}	530 ^{+30%} _{-20%}	2000 ^{+40%} _{-30%}	2300 ^{+40%} _{-30%}
EP7	1.52	15.7	10.3	163	8.55	8.55C	10.7	1.3	1100 ^{+30%} _{-20%}	2000 ^{±30%}	5200 ^{+40%} _{-30%}	
EP10	1.7	19.2	11.3	218	8.55	8.55C	22.6	2.8	1100 ^{+30%} _{-20%}	2000 ^{±30%}	4800 ^{+40%} _{-30%}	
EP13	1.24	24.2	19.6	476	14.9	14.9C	26	4.8	1600 ^{+30%} _{-20%}	3000 ^{±30%}	7000 ^{+40%} _{-30%}	8500 ^{+40%} _{-30%}
EP13B	1.24	24.2	19.6	476	14.9	14.9C	26	4.8	-			7800 _{MIN.}
EP17	0.84	28.5	33.9	964	25.3	25.3C	35.7	11.8	2400 ^{+30%} _{-20%}			
EP20	0.508	39.8	78.3	3110	60.1	60.1C	55.4	29.2	4000 ^{+30%} _{-20%}			
EOP7	0.88	15.6	17.7	276	16.1	13.9	9.84	2.8	1600 ^{+30%} _{-20%}	2750 ^{+30%} _{-20%}	9000 ^{+40%} _{-30%}	10500 ^{+40%} _{-30%}
EPM13	1.34	25.8	19.3	498	14.9	14.9	26	3	1250 ^{+30%} _{-20%}	2550 ^{+30%} _{-20%}	6600 ^{+40%} _{-30%}	8500 ^{+40%} _{-30%}
EPM24/13	0.38	34.32	91.36	3135.52				20.26	5000 ^{±25%}			

PM cores

Regular type

Features

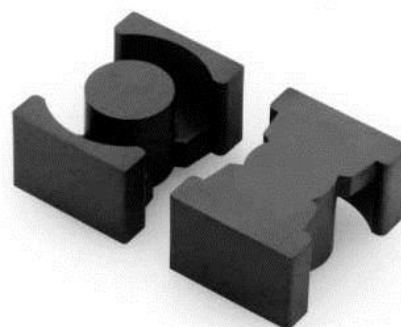
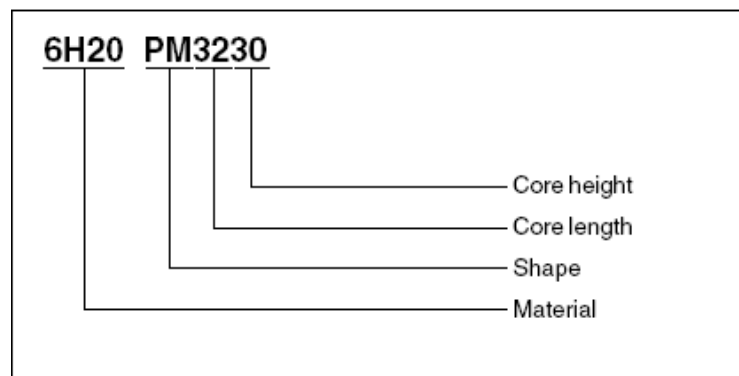
15 kinds of core types which form a complete series available.

Suitable for high-dense mount.

Applications

Switching power supply transformers, choke coils and so on.

Designation

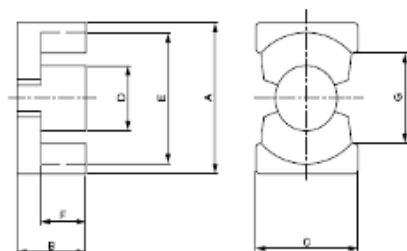


Product code	General standard		Dimensions(mm)						
	IEC	JIS	A	B	C	D	E	F	G
PM2007E			20.5±0.4	3.3+0.2 -0	14.0±0.4	8.8±0.2	18.0±0.4	1.5+0.2 -0	12.0MIN.
PM2010			20.5±0.4	4.95±0.05	14.0±0.4	9.0+0 -0.4	18.0±0.4	2.03±0.13	12.0MIN.
PM2016			20.5±0.4	8.2+0 -0.2	14.0±0.4	9.0+0 -0.4	18.0±0.4	5.0+0.5 -0	12.0MIN.
PM2020			20.5±0.4	10.2+0 -0.2	14.0±0.4	9.0+0 -0.4	18.0±0.4	7.0+0.5 -0	12.0MIN.
PM2616			26.5±0.5	8.0+0 -0.25	19.0±0.5	12.2+0 -0.4	22.5±0.5	3.4+0.5 -0	15.5MIN.
PM2619			26.5±0.45	9.7+0 -0.25	19.0±0.45	12.2+0 -0.4	22.5±0.45	5.1+0.5 -0	15.5MIN.
PM2620			26.5±0.45	10.2+0 -0.25	19.0±0.45	12.2+0 -0.4	22.5±0.45	5.6+0.5 -0	15.5MIN.
PM2625			26.5±0.5	12.5+0 -0.25	19.0±0.5	12.2+0 -0.4	22.5±0.5	7.9+0.5 -0	15.5MIN.
PM3220			32.0±0.5	10.4+0 -0.25	22.0±0.5	13.7+0 -0.5	27.5±0.5	5.6+0.5 -0	19.0MIN.
PM3230			32.0±0.5	15.3+0 -0.25	22.0±0.5	13.7+0 -0.5	27.5±0.5	10.5+0.5 -0	19.0MIN.
PM3530			35.0+0.7 -0.5	15.0+0 -0.25	26.0±0.5	14.6+0 -0.5	32.0±0.5	9.85+0.5 -0	23.5MIN.
PM3535			35.0+0.7 -0.5	17.5+0 -0.25	26.0±0.5	14.6+0 -0.5	32.0±0.5	12.35+0.5 -0	23.5MIN.
PM4040			40.0+1.4 -0.4	20.0+0 -0.25	28.0±0.6	15.2+0 -0.6	37.0±0.6	14.6+0.3 -0	27.5MIN.
PM5031			50.0±0.6	15.5±0.2	32.0±0.5	20.0±0.3	44.0±0.5	9.8±0.15	32.0MIN.
PM5050			50.0±0.6	25.0±0.2	32.0±0.5	20.0±0.3	44.0±0.5	18.1±0.15	32.0MIN.

PM cores

Regular type

Summary



Product code	Magnetic parameter								AL		
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)		
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	6H40	7H10
PM2007E	0.488	22.02	45.1	993	60.8			6.2			
PM2010	0.405	25	61.7	1540	60.8	60.8C	18.7	9	4200±25%		
PM2016	0.605	37.4	62	2310	60.8	60.8C	47.4	13	3450±25%		
PM2020	0.738	45.4	62	2790	60.8	60.8C	65.8	15	2900±25%		2100±25%
PM2616	0.318	37.5	118	4425	113			24.8			
PM2619	0.366	43.5	119	5180	113	113C	56.2	29.8	5300±25%		
PM2620	0.391	46.3	119	5490	113	113C	60.4	31	5500±25%		3780±25%
PM2625	0.472	55.5	118	6530	113	113C	84.5	34.7	4650±25%		
PM3220	0.326	55.5	170	9420	142	142C	80.8	41.2	6750±25%		
PM3230	0.464	74.6	161	12000	142	142C	150	56.6	4900±25%		
PM3530	0.397	77.9	196	15300	162	162C	178	62.6	5000±25%		3730±25%
PM3535	0.448	87.9	196	17300	162	162C	221	71.4	5000±25%		3455±25%
PM4040	0.51	102	201	20500	174	174	326	94.2	4300±25%		
PM5031	0.25	84.8	339	28800	314			133.6	8500±25%		
PM5050	0.34	113	328	37238	254			193	5800±25%		

PMI cores

Planar type

Features

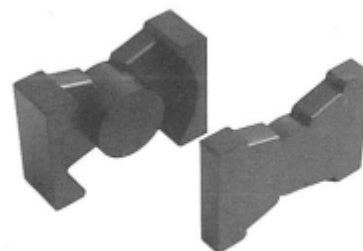
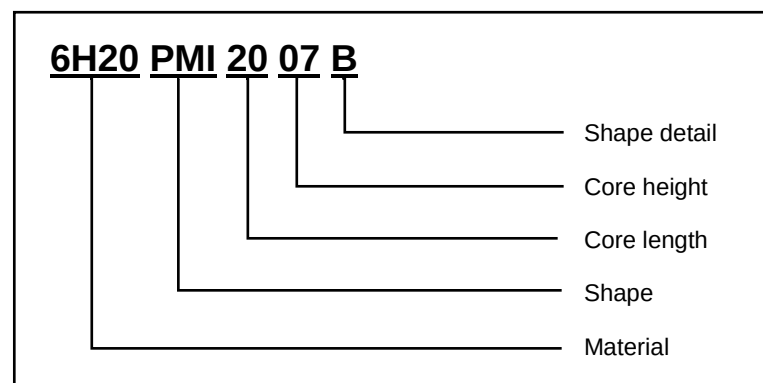
Suitable for making planar transformers.

Varieties of core types are available according to customers' to choose.

Applications

DCDC converter (Planar type transformer)

Designation

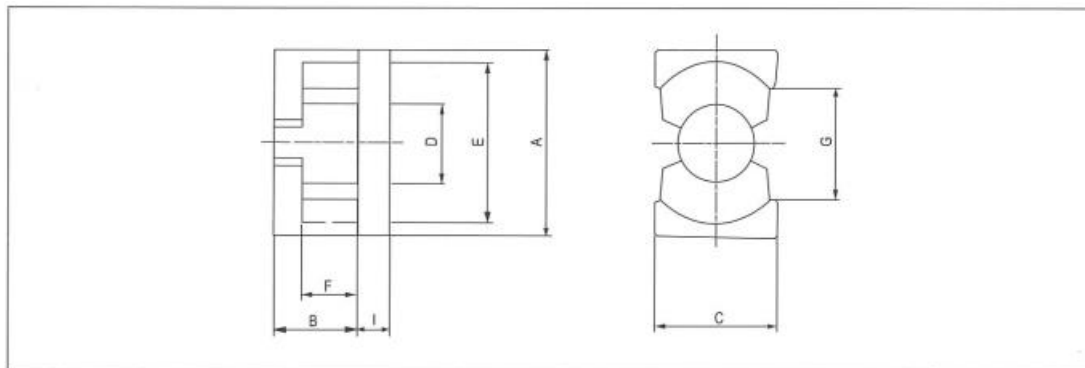


Product code	General standard		Dimensions(mm)							
	IEC	JIS	A	B	C	D	E	F	G	I
PMI2007			20.5±0.4	4.95±0.05	14.0±0.4	9.0+0 -0.4	18.0±0.3	2.15+0.1 -0.053	12.0MIN.	2.25±0.1
PMI2007B			20.5±0.4	4.45±0.05	14.0±0.4	9.0+0 -0.4	18.0±0.4	1.53±0.13	12.0MIN.	2.75±0.1
PMI2612			26.5±0.5	8.0+0 -0.25	19.0±0.25	12.2+0 -0.6	22.5±0.5	3.4+0.5 -0	15.5MIN.	4.35±0.1
PMI2613			26.5±0.45	10.2+0 -0.25	19.0±0.45	12.2+0 -0.4	22.5±0.45	5.6+0.3 -0	15.5MIN.	2.8±0.15
PMI2615			26.5±0.45	12.5+0 -0.25	19.0±0.45	12.2+0 -0.5	22.5±0.45	7.9+0.3 -0	15.5MIN.	2.8±0.15
PMI2617			26.5±0.45	13.2+0 -0.25	19.0±0.45	11.9±0.3	22.5±0.45	8.75±0.15	15.5MIN.	4.35±0.1
PMI3517			35.0+0.7 -0.5	12.5±0.15	26.0±0.5	14.6+0 -0.5	32.0±0.5	7.6±0.2	23.5MIN.	4.85±0.15
PMI4019			40.0+1.4 -0.4	14.33±0.15	28.0+0.45 -0.6	15.2+0 -0.6	36.4MIN.	9.18±0.15	27.2MIN.	5.0±0.1
PMI5027			50.0±0.7	19.65±0.15	32.0±0.6	20.0±0.35	44.0±0.7	12.7±0.2	32.0MIN.	6.72±0.12

PMI cores

Planar type

Summary



Product code	Magnetic parameter								AL		
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)		
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20	7H10	6H40
PMI2007	0.43	25.3	59.4	1500	60.8	56.7		7.64			
PMI2007B								8		4000±25%	
PMI2612	0.23	28.8	123.6	3570	113			20.9			7800±25%
PMI2613	0.28	33.6	118.4	3979				20	6600±25%		
PMI2615	0.32	38.2	118.6	4528				22.7	6100±25%		
PMI2617	0.32	39.1	123.5	4830	113			27			6500±25%
PMI3517											5200±25%
PMI4019	0.27	52.4	193.5	10130	176.6			60			6500±25%
PMI5027	0.19	71.7	368.8	26454	314.2			130.8			9500±25%

EED cores

Regular type

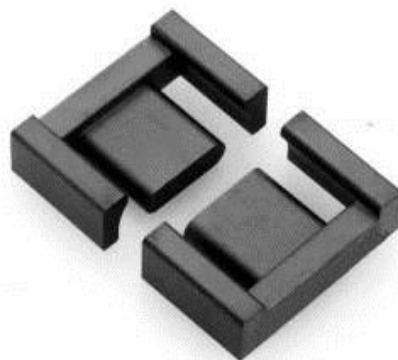
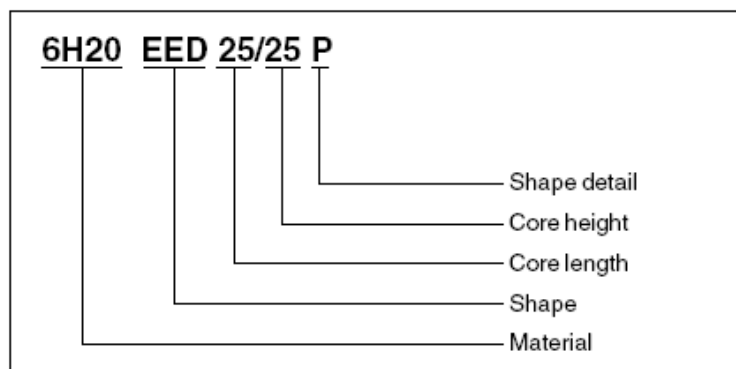
Features

Varieties of core types are available for customers to choose.

Applications

Varieties of switching power supply transformers, choke coils and so on.

Designation

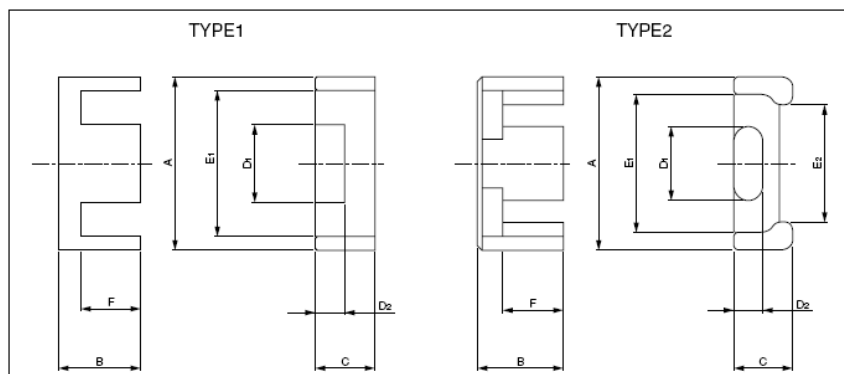


Product code	Type	General standard		Dimensions(mm)							
		IEC	JIS	A	B	C	D1	D2	E1	E2	F
EED12/11A				12.5+0 -0.4	5.7+0 -0.2	5.5+0/-0.3	3.45+0 -0.2		7.4+0.4 -0	5.0MIN.	3.8+0.2 -0
EED12/12A				12.34±0.3	6.15±0.15	6.58±0.15	5.74±0.15	4.95±0.15		7.25MIN.	3.17±0.15
EED12/12B				11.63±0.23	5.82±0.13	4.43±0.11	5.96±0.12	3.19±0.11		7.19±0.18	3.24±0.14
EED12/12D	1			12.5±0.3	6.2±0.1	3.5±0.1	5.4±0.15	2.0±0.1	9.0±0.25		4.55±0.15
EED12/15D	1			11.9±0.2	7.6±0.15	3.5±0.15	3.2±0.1	1.5+0 -0.15	9.35+0.4 -0		6.2±0.15
EED13/13P	2		FEETPC13	13.2±0.25	6.6±0.2	4.6±0.15	5.6±0.15	2.05±0.1	10.7±0.2	8.3MIN.	4.5±0.2
EED15/15D	1			15.0±0.4	7.5±0.15	4.65±0.15	5.3±0.15	2.4±0.1	11.0±0.35		5.5±0.25
EED16/15	2			16.0+0.4 -0.2	7.5+0.3 -0	7.5+0.3 -0.1	6.5+0 -0.2	5.0+0/-0.2	12.7+0.6 -0	10.5+0.4 -0.2	5.6+0.25 -0
EED16/15B	2			16.0+0.4 -0.2	7.5+0.3/-0	7.5+0.2 -0	6.5+0 -0.2	5.0+0/-0.2	12.7+0.4 -0	10.5±0.2	5.6+0.25 -0
EED16/20D	1			16.3±0.25	10.2+0.15 -0.2	4.5±0.15	6.7±0.15	2.35±0.1	12.5MIN.		8.3±0.15
EED17/17P	2		FEETPC17	17.5±0.3	8.55±0.2	6.0±0.15	7.7±0.15	2.8±0.1	14.5±0.3	12.0±0.5	6.05±0.2
EED18/17P	1			17.9±0.38	8.55±0.2	6.0+0.3 -0.2	7.7±0.15	2.8±0.1	14.8MIN.	11.8MIN.	6.05±0.2
EED18/22D	1			17.6±0.3	11.0±0.2	5.6±0.15	7.5±0.15	3.4±0.1	13.1MIN.		8.6±0.2
EED19/19P	2		FEETPC19	19.0±0.3	9.75±0.2	6.0±0.15	8.5±0.15	2.5±0.1	16.0±0.3	13.6±0.5	7.25±0.2
EED20/18P	2			20.0±0.3	9.0±0.2	6.0±0.15	6.75±0.15	2.8±0.1	16.2MIN.	14	6.7±0.2
EED20/20D	1			20.0±0.55	10.0±0.15	6.65±0.15	8.9±0.2	3.6±0.15	15.4±0.5		7.7±0.25
EED20/23D				20.0±0.4	11.5±0.15	5.4±0.1	8.9±0.2	3.6±0.15	15.4±0.5		9.3±0.15

EED cores

Regular type

Summary

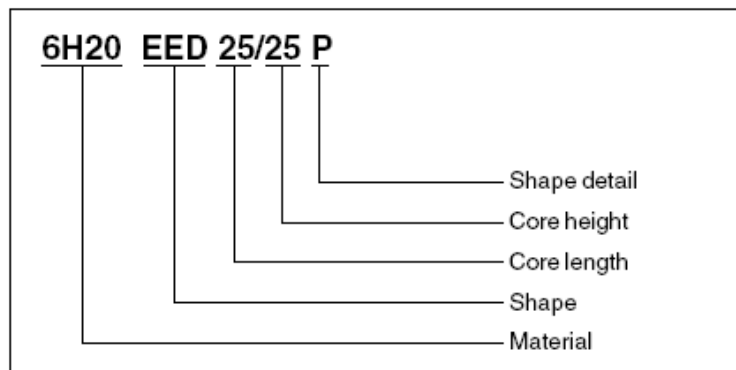


Product code	Magnetic parameter								AL
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20
EED12/11A	1.69	20.3	12	243				2.52	
EED12/12A	0.79	23.25	29.41	683.8	28			3.8	
EED12/12B	1.27	22.6	17.8	402.3				5.2	
EED12/12D	2.5	28.5	11.4	325	10.7	10.7C	16.4	1.7	800±25%
EED12/15D	5.24	32.76	6.25	205				1.44	
EED13/13P	2.46	30.6	12.5	382	10.6	10.6C	23	2.1	870±25%
EED15/15D	2.27	34	15	510	12.2	12.2C	31.4	2.8	900±25%
EED16/15	1.28	36.5	28.6	1040	27.9	27.9C	37.8	5.1	1400±25%
EED16/15B	1.28	36.5	28.6	1043.9				5.1	1500±25%
EED16/20D	2.96	47	15.9	749	15.6			4.04	
EED17/17P	1.76	40.2	22.8	917	19.9	19.9C	41.1	4.5	1150±25%
EED18/17P	1.8	40.7	22.6	920				4.7	1150±25%
EED18/22D	1.99	48.57	24.4	1185	25.48			6.18	
EED19/19P	2.03	46.1	22.7	1050	19.9	19.9C	54.4	5.3	940±25%
EED20/18P	2.12	44.6	21	940	17.2			5.2	
EED20/20D	1.52	47	31	1460	31	31.0C	50.1	7.1	1500±25%
EED20/23D	2.01	51.64	25.64	1349				8.3	1100±25%

EED cores

Regular type

Designation

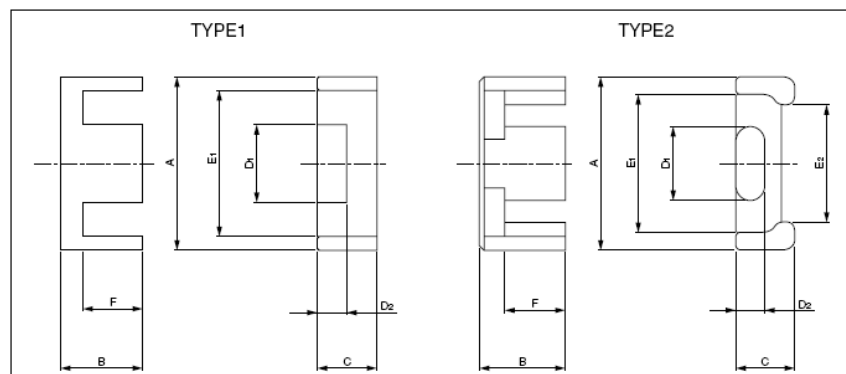


Product code	Type	General standard		Dimensions(mm)							
		IEC	JIS	A	B	C	D1	D2	E1	E2	F
EED21/25D	1			21.2±0.5	12.5±0.2	5.9±0.2	9.4±0.2	3.3±0.1	15.5MIN.		9.9±0.2
EED23/27D	1			22.8±0.4	13.5±0.2	9.9+0.3 -0.1	7.2±0.2	6.8±0.2	16.5MIN.		9.9±0.2
EED25/25D	1			25.0±0.65	12.5±0.15	9.1±0.2	11.4±0.2	5.2±0.15	18.7±0.6		9.3±0.25
EED25/25DN	1			25.0±0.4	13.0+0 -0.4	12.7+0 -0.5	8.8±0.25	8.6+0 -0.6	18.8+0.95 -0		9.6+0.4 -0
EED25/25P	2		FEPC25	25.0±0.4	12.5±0.2	8.0±0.2	11.5±0.2	4.0±0.1	21.0±0.35	17.5±0.5	9.0±0.3
EED25/36CN	1			25.0±0.65	18.4±0.2	9.5±0.3	5.8±0.2	7.4±0.2	18.5MIN.		13.9±0.25
EED25/36DN	1			25.0±0.6	17.7±0.25	12.0±0.25	9.0±0.2	7.0±0.2	19.0+1.0 -0		14.7±0.25
EED30/30D	1			30.2±0.6	15.2±0.15	9.1±0.2	14.6	4.9±0.15	22.6MIN.		11.4±0.3
EED31/30D	1			31.15MAX.	15.2±0.3	9.0±0.2	14.6	4.9±0.2	24.0MIN.		11.4±0.2
EED33/23D	1			32.5±0.5	11.4±0.2	7.0+0.2 -0.15	15.8±0.2	3.2±0.15	24.1MIN.		7.1±0.2
EED37/40D	1			36.8+0.6 -0.4	19.8±0.2	6.6±0.3	18.7±0.25	3.8±0.2	25.7MIN.		14.4+0.4 -0
EED46/48P	2			46.0±0.8	24.2±0.2	19.4±0.3	20.85±0.3	11.9±0.2	35.7MIN.	28.6MIN.	18.2±0.2
EED51/51D	1			50.5±0.7	25.6±0.3	9.0±0.3	23.5±0.4	5.0±0.3	37.6MIN.		18.5±0.3
EED52/48P	2			52.0±0.5	23.9±0.3	18.0±0.2	26.0±0.3	9.5±0.2	42.8±0.5	31.0MIN.	15.4±0.25
EED52/52D	1			51.5±0.7	26.0±0.3	10.0±0.3	23.5±0.3	5.0+0.1 -0.2	38.0MIN.		19.0±0.3

EED cores

Regular type

Summary



Product code	Magnetic parameter								AL
	C1	Le	Ae	Ve	Ac	A _{MIN.}	Aw	W	(nH/N ²)
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	6H20
EED21/25D	1.88	55.8	29.7	1660				9.1	1200±25%
EED23/27D	1.2	66.8	55.7	3718				17.8	1700±25%
EED25/25D	0.98	57	58	3310	57.5	57.0L	67.9	16.6	2100±25%
EED25/25DN	0.81	59.8	74	4426	73.4			22.5	2500+30%/-20%
EED25/25P	1.28	59.2	46.4	2750	42.6	42.6C	85.5	13	1600±25%
EED25/36CN	1.41	75.3	53.3	4033				24.2	
EED25/36DN	1.22	79.6	65.4	5205	62.9			27	
EED30/30D	0.9	62.9	70	4403				22	2050±25%
EED31/30D	1.09	69.02	63.35	4372	69.54			24	
EED33/23D	0.969	53.1	54.8	2907				15	2200±25%
EED37/40D	1.14	85	72	6170				31	1900±25%
EED46/48P	0.49	113	230	25990				127.5	4350±25%
EED51/51D	1.08	121.4	112.4	13640				69	2000±25%
EED52/48P	0.47	109.92	232.3	25550	227.6			142.9	
EED52/52D	0.78	109	140	15260				77	2600±25%

FR cores

Regular type

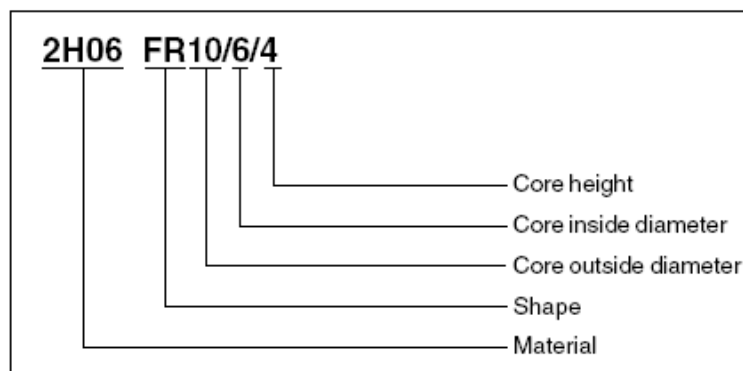
Features

Varieties of core types are available for customers to choose.

Applications

Line filters, pulse transformers, choke coils and so on.

Designation

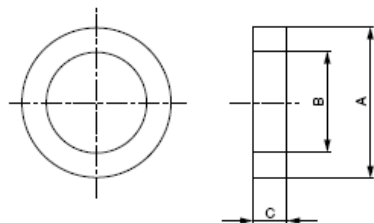


Product code	General standard		Dimensions(mm)		
	IEC	JIS	A	B	C
FR4/2.2/2.7			4.0±0.2	2.2±0.2	2.7±0.2
FR5/2.5/3.1			5.0±0.2	2.5±0.2	3.1±0.2
FR5.9/3.1/3.2			5.9±0.2	3.1±0.2	3.2±0.2
FR8/4/4			8	4	3.8
FR9/5/3			9.0±0.4	5.0±0.4	3.0±0.3
FR9.5/4.8/4.8			9.53±0.25	4.75±0.25	4.78±0.25
FR10/6/4	R10		10.0±0.3	6.0±0.3	4.0±0.2
FR11/5/3			11.0±0.3	5.0±0.2	3. ±0.2
FR12/6/4	FOR12	FOR12	12.0±0.4	6.0±0.3	4.0±0.3
FR12.5/8/8			12.5±0.3	8.0±0.3	8.0±0.3
FR12.7/8/6	T12.7		12.7±0.3	7.9±0.3	6.35±0.3
FR13/7/5			13.0±0.4	7.0±0.3	5.0±0.3
FR14/7.5/7			13.9±0.25	7.57+0.3/-0.12	6.95±0.15
FR14/7/4	FOR14	FRO14	14.0±0.3	7.0±0.2	4.0±0.2
FR14/7/7			14.0±0.3	7.0±0.2	7.0±0.2
FR16/10/7			16.0±0.3	10.0±0.3	7.0±0.3
FR16/10/8	FOR16	FOR16	16.0±0.3	10.0±0.3	8.0±0.3
FR19/10/10	FOR19	FOR19	18.45±0.3	9.75±0.3	10.25±0.3

FR cores

Regular type

Summary

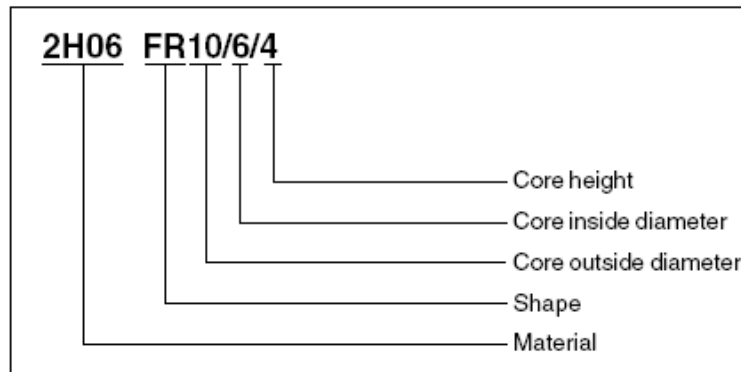


Product code	Magnetic parameter					AL (nH/N ²)				
	C1 (mm ⁻¹)	Le (mm)	Ae (mm ²)	Ve (mm ³)	W (g)	6H20	2H06	2H07	2H10	2H15
FR4/2.2/2.7	4.2	9.18	2.18	20.1	0.11		-	-	3000±30%	4500±30%
FR5/2.5/3.1	2.84	10.88	3.42	37.2	0.21	1000+60%/-40%				
FR5.9/3.1/3.2	3.07	13.2	4.15	54.9	0.3		-	2800±25%	-	-
FR8/4/4	2.39	17.4	7.3	127	0.65		2100±29%			
FR9/5/3	3.56	20.8	5.83	121	0.65	750+40%/-30%				
FR9.5/4.8/4.8	1.92	20.7	10.8	224	1.1		-	-	6600±30%	9900±30%
FR10/6/4	3.07	24	7.8	187	1		2500+25%/-40%	2800±25%	4000±30%	-
FR11/5/3	2.67	22.7	8.54	194	1.1		2400+-25%	3300±25%	4500±-30%	-
FR12/6/4	2.26	26.1	11.5	301	1.5		3500+25%/-40%	3750±25%	5300±30%	-
FR12.5/8/8	1.76	31.2	17.7	552	2.8		2800+100%/-0%	4700±25%	-	-
FR12.7/8/6	2.1	31.2	14.9	465	2.3		3000±25%	4200±30%	5500±30%	-
FR13/7/5	2.05	29.5	14.4	423	2.1		3200±25%	4400±25%	5900±30%	-
FR14/7.5/7	1.52	31.9	21.1	673	3.8		4250+30%/-15%	-	-	-
FR14/7/4	2.27	30.5	13.5	410	2		3000±25%	4100±25%	5500±30%	-
FR14/7/7	1.29	30.5	23.5	717	3.9		4625MIN.	-	-	-
FR16/10/7	1.9	38.9	20.5	857	4		2800+4±-20%	4800±25%	6400±25%	-
FR16/10/8	1.67	39.4	23.6	928	4.6		3500+25%/-40%	5600±25%	7500±30%	-
FR19/10/10	1.02	41.4	42.1	1740	9.2		6900±25%	9400±30%	12600±30%	-

FR cores

Regular type

Designation

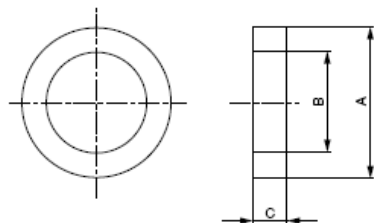


Product code	General standard		Dimensions(mm)		
	IEC	JIS	A	B	C
FR20/12/4			19.95±0.3	12.05±0.3	4.15±0.3
FR20/12/8			19.95±0.3	12.05±0.3	8.0±0.3
FR22/10/9			22.0+0.3-0.2	10.0+0.2-0.1	9.2±0.15
FR22/14/8			22.0±0.5	14.0±0.4	8.0±0.3
FR22/14/10	FOR22	FOR22	22.0±0.3	14.0±0.3	10.0±0.3
FR22/14/12.7			22.0+0.25/-0.4	14.0±0.25	12.7±0.25
FR25/15/10	R25		25.0±0.5	15.0±0.5	10.0±0.5
FR25/15/12	FOR25	FOR25	25.0±0.5	15.0±0.5	12.0±0.3
FR27/15/19			26.8±0.5	14.7±0.4	18.5±0.3
FR29/16/12			29.0±0.5	16.0±0.5	12.0±0.5
FR31/20/10			31.0+0/-0.8	20.0+0.5/-0	10.0+0/-0.6
FR31/20/16			31.0+0/-0.8	20.0+0.5/-0	16.0±0.3
FR38/19/13	FOR38	FRO38	38.0±0.7	19.0±0.5	13.0±0.4
FR38/19/6	T38.1		38.0±0.7	19.0±0.5	6.35±0.35
FR40/20/12			40.0+0/-1.0	20.0+0.5/-0	12.0+0.6/-0
FR49/32/19			49.1±0.6	31.8±0.6	19.0±0.3
FR50/25/10			50.0+0/-1.2	25.0+0.6/-0	10.0+0.6/-0
FR50/25/20A			51.0MAX.	24.0MIN.	21.1MAX.
FR56/32/15			56.0±0.8	32.0±0.8	15.0±0.5
FR60/36/20			60.0±0.7	36.0±0.5	20.0+0.3/-0.5
FR102/65/10			102±1.5	65.0±1.0	10.0±0.5

FR cores

Regular type

Summary



Product code	Magnetic parameter					AL (nH/N ²)				
	C1 (mm ⁻¹)	Le (mm)	Ae (mm ²)	Ve (mm ³)	W (g)					
						6H20	2H06	2H07	2H10	2H15
FR20/12/4	3	48.1	16	770	3.9		2100+40%/-20%	3000+40%/-20%		
FR20/12/8	1.55	48.2	30.9	1490	7.6		4500±25%	5600±25%	8100±25%	
FR22/10/9	0.866	45.4	52.4	2380	12					
FR22/14/8	1.74	83.4	48	4000	8.7	1500±25%	2650MIN.	5300±25%	7100±30%	
FR22/14/10	1.41	54.7	38.8	2120	11.1	1900±25%	4900±25%	6700+40%/-25%	8900±30%	
FR22/14/12.7	1.1	54.7	49.9	2730	14.3		6250+30%/-15%			
FR25/15/10	1.23	60.2	48.9	2940	15	2000±25%	5500±25%	7500±25%	10000±30%	
FR25/15/12	1.03	60.2	58.7	3530	18	2800±25%	6500±30%	9000±25%	12000±25%	
FR27/15/19	0.55	61.4	110.9	6810	36	4800±25%				
FR29/16/12	0.88	66.7	75.7	5050	26.5		7800±25%			
FR31/20/10	1.63	77.7	47.5	3690	18.5		4400±30%	5900+-30%		
FR31/20/16	0.953	77.7	81.5	6330	31.7		7000+40%/-20%	9900+40%/-25%		
FR38/19/13	0.697	82.7	119	9820	53.1		9300±25%	8600MIN.		
FR38/19/6	1.43	82.7	57.8	4780	25.9		4400±25%	6000±25%		
FR40/20/12	0.809	93.9	116	9780	53.3		8000+40%/-20%	11500±25%		
FR49/32/19	0.77	123	160	1920	101					
FR50/25/10	0.959	117	122	14300	69.9		6600+40%/-20%	9900±25%		
FR50/25/20A	4.79		232	25262	136		13000+40%/-20%			
FR56/32/15	0.75	131.3	175.4	23022	121.7			11300±30%	16360±30%	
FR60/36/20	0.62	144	232		174					
FR102/65/10	1.4	254	181	46000	233			3540+50%/-10%		

FUR cores

Regular type

Features

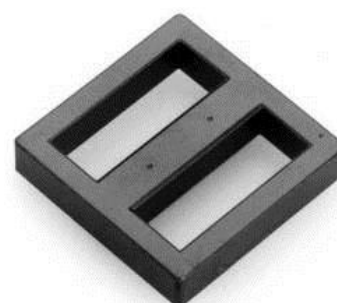
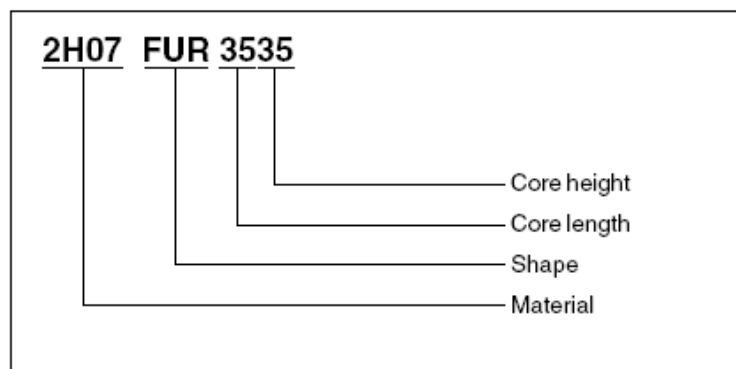
High inductance can be achieved on small cores.

Three kinds of core types are available for customers to choose.

Applications

Line filters

Designation

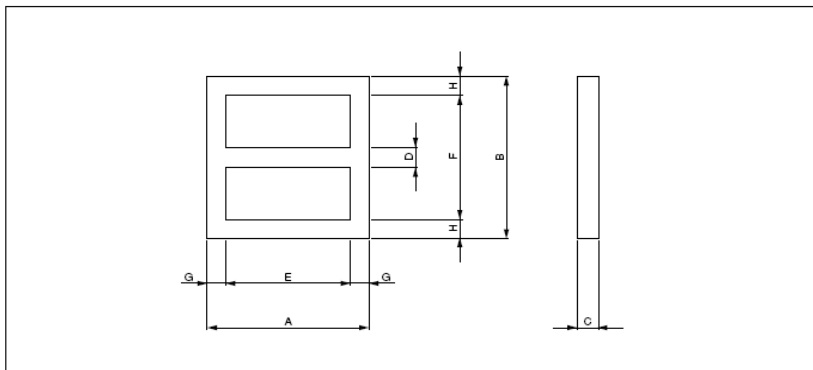


Product code	General standard		Dimensions(mm)							
	IEC	JIS	A	B	C	D	E	F	G	H
FUR2424			24.0+0.7/-0.3	24.0+0.7/-0.3	4.0±0.3	4.0±0.2	19.0MIN.	19.0MIN.	2.4±0.15	2.4±0.15
FUR2828			28.2+0.8/-0.3	28.2+0.8/-0.3	5.0±0.3	5.0±0.2	22.2MIN.	22.2MIN.	2.9±0.15	2.9±0.15
FUR3535			35.0+0.9/-0.3	35.0+0.9/-0.3	7.5±0.3	7.5±0.25	26.8MIN.	26.8MIN.	4.0±0.2	4.0±0.2

FUR cores

Regular type

Summary



Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	AMIN.	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	2H07	2H10
FUR2424	3.44	60.3	17.5	1050	16	16.0C	149	5.6	2600+40%/-25%	3600+40%/-25%
FUR2828	2.7	70	27	1890	25	25.0C	200	10.2	3550+40%/-25%	4690+40%/-25%
FUR3535	1.46	85.2	58.3	4960	56.3	56.3C	271	25.8	6000+40%/-25%	

FU cores

Regular type

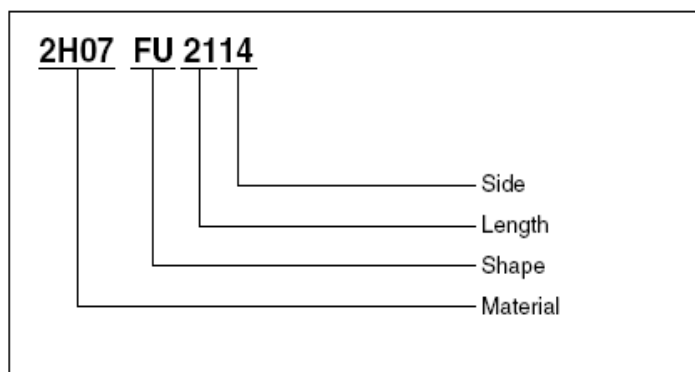
Features

Varieties of core types are available for customers to choose.

Applications

Line filters

Designation

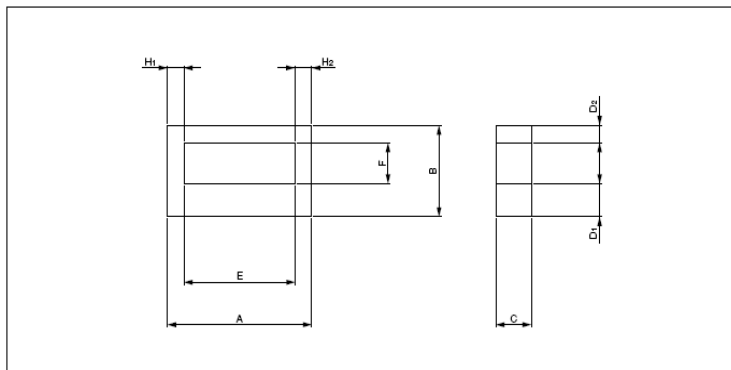


Product code	General standard		Dimensions(mm)								
	IEC	JIS	A	B	C	D1	D2	E	F	H1	H2
FU2014			20.5max.	14.0max.	4.1±0.2	3.2+0.25/-0	3.2+0.25/-0	13.0+0.6/-0	6.7+0.4/-0	3.2+0.25/-0	3.2+0.25/-0
FU2114			20.6±0.3	14.1±0.25	4.6±0.2	4.2±0.2	2.4±0.15	15.7MIN.	7.35MIN.	2.3±0.15	2.3±0.15
FU2216			21.5±0.3	15.6±0.2	3.75±0.2	3.7typ.	5.0typ.	15.5±0.2	6.9±0.2		
FU2316			24.0max.	16.2max.	4.6+0.3/-0.2	3.6+0.25/-0	3.6+0.25/-0	15.6+0.7/-0	8.1+0.4/-0	3.6+0.25/-0	3.6+0.25/-0
FU2618			25.6±0.4	17.6±0.3	5.2±0.25	5.2±0.15	3.4±0.15	19.5MIN.	8.7MIN.	2.9±0.15	2.9±0.15
FU3223			32.3max.	23.3max.	7.8±0.2	6.3+0.3/-0	6.3+0.3/-0	18.5+0.9/-0	9.6+0.5/-0	6.3±0.15	6.3±0.15

FU cores

Regular type

Summary



Product code	Magnetic parameter								AL	
	C1	Le	Ae	Ve	Ac	AMIN.	Aw	W	(nH/N ²)	
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)	2H07	2H10
FU2014	4.07	51.2	12.6	645	12.6	12.6	91.8	3.2	1950±30%	
FU2114	4.37	52.9	12.1	638	19.3	10.6	120	3.8	2200+40%/-30%	2900+40%/-25%
FU2216	4.3	55	12.8	704	13.5	10.8	107	3.7	2500+30%/-15%	
FU2316	3.88	62.1	15.5	963	15.5	15.5	132	4.7	2350±30%	
FU2618	3.89	68.4	17.6	1200	22.4	15.1	178	6.5	2500+30%/-25%	3090+30%/-25%
FU3223	1.73	77.7	45	3500	45.8	44.6	187	16.5	5450±30%	

EIR cores

Planar type

Features

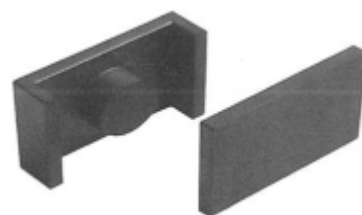
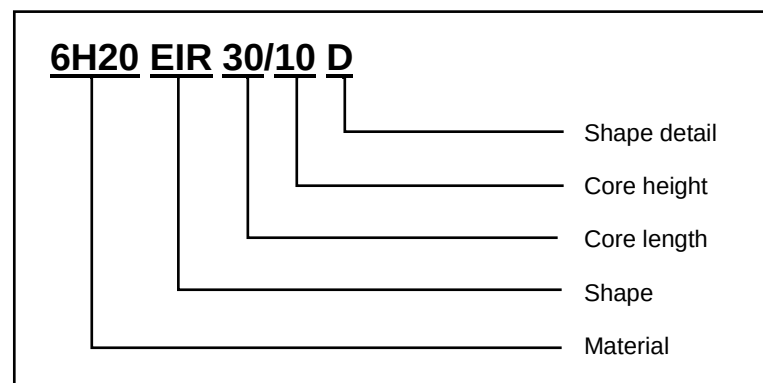
Suitable for making planar transformers.

Varieties of core types are available according to customers' to choose.

Applications

DCDC converter (Planar type transformer)

Designation

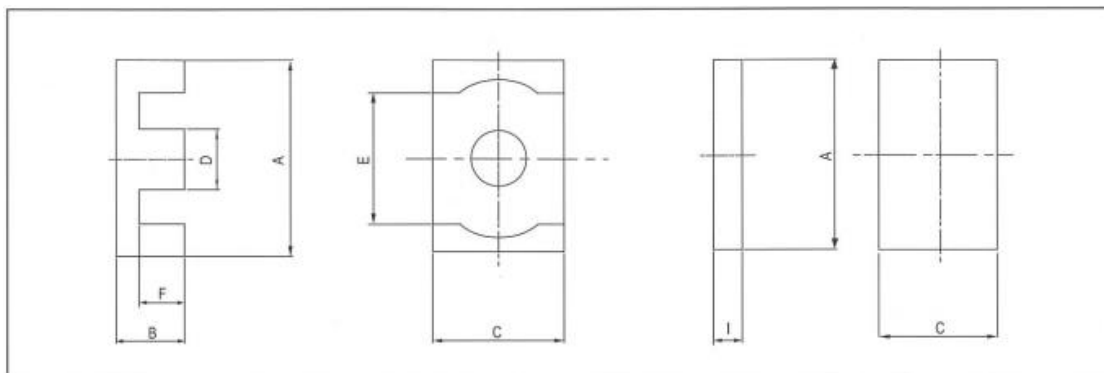


Product code	General standard		Dimensions(mm)						
	IEC	JIS	A	B	C	D	E	F	I
EIR11/03			10.8±0.2	2.25±0.05	5.9±0.1	4.1±0.15	8.85±0.15	1.15±0.1	1.0±0.05
EIR18/06C			18.0±0.35	4.35±0.1	9.7±0.2	6.2±0.15	15.6±0.3	2.7±0.1	1.65±0.1
EIR20/07			20.0±0.35	5.2±0.1	14.0±0.3	8.8±0.15	18.0±0.35	3.0±0.1	2.3±0.1
EIR23/07			23.2±0.45	5.1±0.1	12.5±0.25	8.0±0.2	20.2±0.4	3.1±0.1	2.1±0.1
EIR25/08			25.0±0.5	5.5±0.1	14.8±0.3	9.4±0.2	21.7±0.4	3.1±0.1	2.5±0.1
EIR30/10D			30.0±0.6	7.4±0.15	20.0±0.3	11.3±0.25	24.5MIN.	4.9±0.15	2.7±0.15

EIR cores

Planar type

Summary



Product code	Magnetic parameter								AL	
	C1 (mm ⁻¹)	Le (mm)	Ae (mm ²)	Ve (mm ³)	Ac (mm ²)	A _{MIN.} (mm ²)	Aw (mm ²)	W (g)	(nH/N ²)	
									6H20	7H20
EIR11/03	0.91	11.76	12.87	151	13.2	11.8		0.79		
EIR18/06C	0.51	18	35	632	30.2			3.58		
EIR20/07	0.37	22.3	59.6	1329	55			6.5		
EIR23/07	0.53	26.6	50.2	1340		50		6.4		
EIR25/08		28.1	70.4	1980		69.4		11.5		
EIR30/10D	0.33	33.1	100	3310				19.7		

UU cores

Regular type

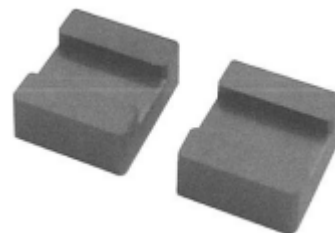
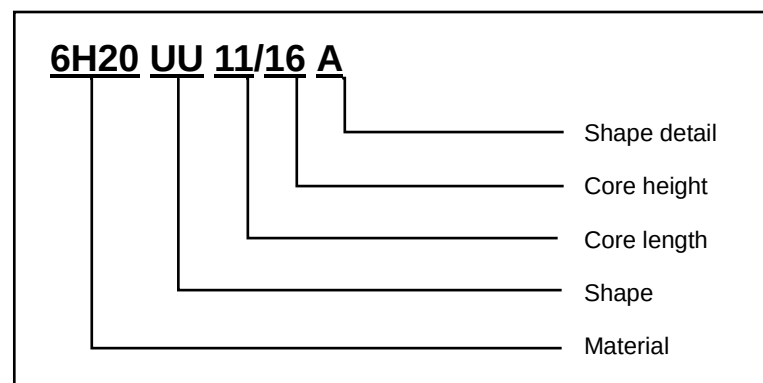
Features

Varieties of core types are available for customers to choose.

Applications

Transformers, choke coils, Line filters

Designation

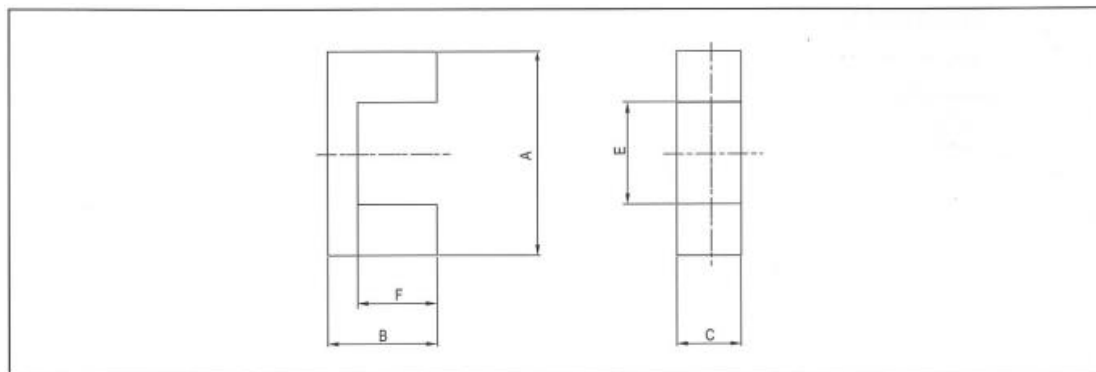


Product code	General standard		Dimensions(mm)				
	IEC	JIS	A	B	C	E	F
UU09/08			8.9±0.3	4.2±0.1	2.85±0.15	2.8MIN.	1.7±0.1
UU09/19			9.3±0.3	9.3±0.25	6.0±0.2	3.7±0.2	6.5+0.2/-0.15
UU10/14			9.8±0.2	7.1±0.15	2.7±0.2	4.0MIN.	4.25±0.2
UU10/16			10.0±0.25	8.3+0/-0.4	2.9±0.15	4.15MIN.	5.0+0.3/-0
UU11/16A			10.5±0.3	7.8±0.3	5.0±0.2	5.2MIN.	5.0+0.5/-0
UU11/16F			10.5±0.3	7.9±0.3	5.0±0.2	5.3±0.2	5.3±0.2
UU15/12			15.0±0.5	5.5±0.1	5.6±0.2	9.0±0.3	2.8+0.2/-0.1
UU16/20			16.0+0.4/-0.2	10.05±0.15	6.0+0.1/-0.3	6.7MIN.	5.85±0.2
UU16/20A			15.85±0.3	10.0±0.2	5.0±0.2	9.45±0.15	6.85±0.2
UU16/20F			16.0±0.3	9.9±0.25	5.9±0.2	6.7MIN.	6.2±0.25
UU17/20			17.0±0.3	9.75±0.2	8.5±0.2	10.0+0.25/-0.15	6.25±0.2
UU20/25			19.95+0.35/-0.25	12.3+0.35/-0.05	9.0+0.15/-0.25	8.8MIN.	7.0+0.3/-0
UU28/19			28.0±0.4	9.15±0.2	15.1±0.3	9.8±0.3	2.35±0.2
UU34/39			33.7±0.6	19.6±0.2	12.7±0.3	8.3±0.3	11.3±0.3
UU79/129			79+2.0/-1.0	64.5±1.0	31.5+1.5/-1.0	35.0±1.0	42.5±0.75

UU cores

Regular type

Summary



Product code	Magnetic parameter								AL (nH/N ²)		
	C1	Le	Ae	Ve	Ac	AMIN.	Aw	W	6H20	2H07	2H10
	(mm ⁻¹)	(mm)	(mm ²)	(mm ³)	(mm ²)	(mm ²)	(mm ²)	(g)			
UU09/08	2.71	20.27	7.48	152	8.09			0.76			
UU09/19	2.58	41.16	15.94	656				3.4			
UU10/14	4.51	34.3	7.61	261				1.35		800MIN.	
UU10/16	4.63	38.4	8.3	319				1.6			
UU11/16A	3.17	39.9	12.6	503				2.5		1750+40%/-25%	
UU11/16F	3.08	40	13	520				2.7		1700±25%	
UU15/12	2.41	38.1	15.8	602				3	915+15%/-20%		
UU16/20	1.97	50.8	25.8	1311				6.5			
UU16/20A	3.52	56.3	16	901				4.6			
UU16/20F	2.09	51.4	24.6	1264				6.4	2850±25%		
UU17/20	1.9	56	29.44	1649				8.2			
UU20/25	1.3	63.9	49.2	3144				15.7	2000±25%		
UU28/19	0.47	53.4	114.3	6104				37			
UU34/39	0.87	94.75	109.13	10340				58.5	2900±25%		
UU79/129	0.43	301	707	212800				970			