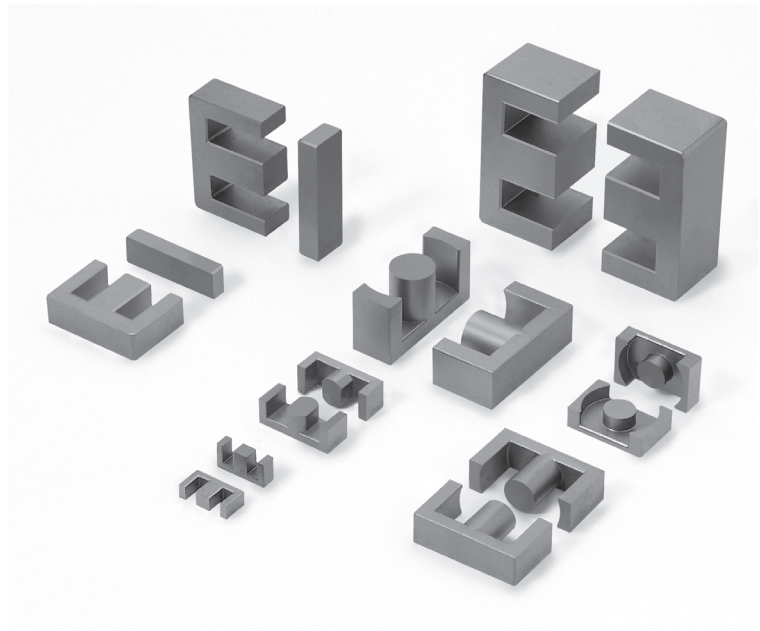




E CORES

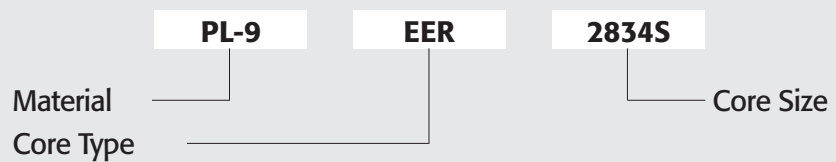
EE05 ~ EE80

EI13 ~ EI70

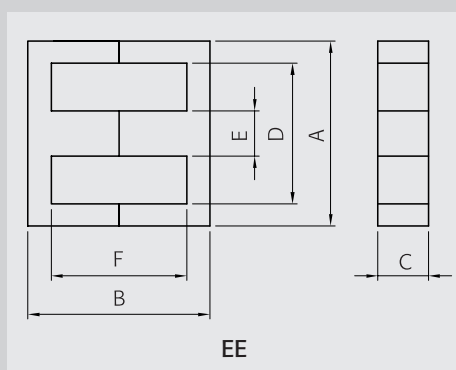
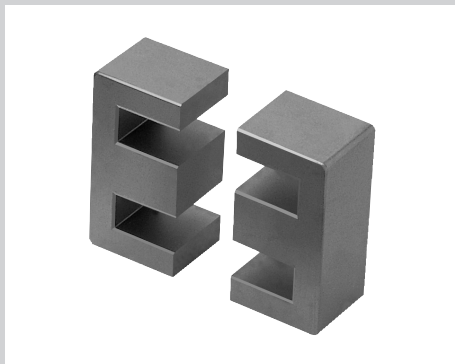
EER09 ~ EER60

EED28 ~ EED40

Ordering Code System



EE CORES



Part No.		EE0505S	EE0606S	EE0808S	EE0908S
Type		EE	EE	EE	EE
Dimensions in mm	A	5.25 ±0.20	6.10 ±0.20	8.30 ±0.20	8.90 ±0.30
	B	5.30 ±0.10	5.70 ±0.10	8.00 ±0.20	8.12 ±0.26
	C	1.95 ±0.10	1.95 ±0.10	3.60 ±0.20	1.90 ±0.13
	D	3.80 min.	3.70 ±0.10	6.35 ±0.20	5.30 ±0.30
	E	1.35 ±0.10	1.35 ±0.10	2.00 ±0.20	1.90 ±0.13
	F	4.00 ±0.10	3.80 ±0.15	6.00 ±0.20	4.32 ±0.26

Core Set Parameters	C1(mm ⁻¹)	4.846	3.697	2.732	3.140
	Le(mm)	12.6	12.2	19.4	15.7
	Ae(mm ²)	2.6	3.3	7.1	5.0
	Ve(mm ³)	33	40	139	78
	Ac(mm ²)	2.6	2.6	6.0	3.6
	Aw(mm ²)	5.0	4.5	14.0	7.3
	W(g/set)	0.2	0.3	0.7	0.5

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	285	405	590	540
		PL-9	355	450	670	610
		PL-11	300	410	600	550
		PL-13	380	480	710	650
		PL-15	300	410	600	550
		SM-23T	270	390	570	520
		SM-43T	500	520	770	700
		SM-50	580	600	900	810
		SM-60	700	720	1080	970
		SM-70S	870	900	1100	1000
		SM-100	1000	1000	1200	1100
	Core loss	PL-7	0.018	0.022	0.076	0.050
		PL-9	0.017	0.020	0.070	0.040
		PL-11	0.017	0.020	0.070	0.040
		PL-13	0.016	0.019	0.067	0.040
		PL-15	0.015	0.018	0.063	0.037

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⁾ 100kHz, 100mT, at 100°C
- ²⁾ 25kHz, 200mT, at 100°C

2) AL value

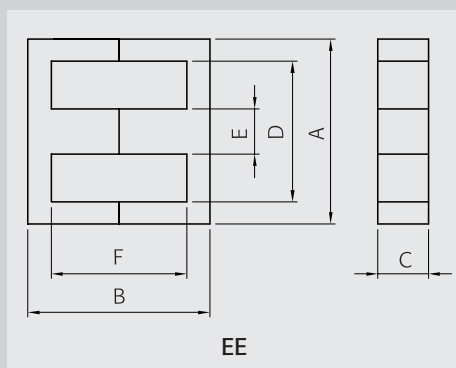
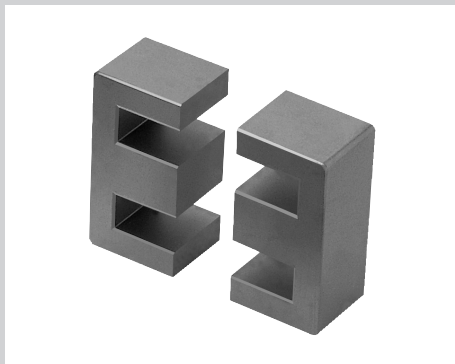
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%
- SM-100 : Non mirror grinding

	EE1010S	EE1011S	EE1312S	EE1313S	EE1614S	EE1614SC	EE1616A	EE1616S	EE1625S
	EE	EE	EE	EE	EE	EE	EE	EE	EE
A	10.30 ±0.20	10.30 ±0.20	13.00 ±0.30	12.60 ^{+0.50} _{-0.40}	16.00 ±0.30	16.00 ±0.30	16.30 ±0.30	16.10 ±0.60	16.00 ±0.40
B	10.20 ±0.20	11.05 ±0.25	12.00 ±0.30	13.00 ^{+0.00} _{-0.40}	14.20 ^{+0.40} _{-0.00}	14.20 ^{+0.40} _{-0.00}	8.40 ±0.15	16.10 ±0.30	24.50 ±0.40
C	2.80 ±0.20	4.75 ±0.15	5.90 ±0.20	3.70 ^{+0.00} _{-0.30}	5.00 ^{+0.40} _{-0.00}	6.90 ±0.20	4.50 ±0.20	4.50 ±0.20	5.10 ^{+0.00} _{-0.40}
D	7.90 ±0.20	7.90 ±0.20	10.20 ±0.20	8.90 ^{+0.60} _{-0.00}	12.00 ±0.30	12.00 ±0.30	11.50 min.	11.30 min.	12.00 ±0.30
E	2.30 ±0.20	2.40 ±0.20	3.18 ±0.10	3.70 ^{+0.00} _{-0.30}	4.00 ^{+0.40} _{-0.00}	4.00 ^{+0.00} _{-4.00}	4.55 ±0.15	4.55 ±0.15	4.20 ^{+0.00} _{-0.40}
F	7.90 ±0.20	8.65 ±0.25	5.75 ±0.20	9.00 ^{+0.60} _{-0.00}	10.40 ^{+0.50} _{-0.00}	10.40 ^{+0.50} _{-0.00}	6.25 ±0.20	11.80 ±0.40	20.40 ±0.40

C1(mm ⁻¹)	3.846	2.333	1.894	2.395	1.929	1.335	1.950	1.875	2.816
Le(mm)	25.0	26.6	30.3	29.7	35.5	35.5	39.2	37.7	55.2
Ae(mm ²)	6.5	11.4	16.0	12.4	18.4	26.6	20.1	20.1	19.6
Ve(mm ³)	163	302	487	369	655	944	788	755	1080
Ac(mm ²)	6.4	11.4	15.3	12.6	18.2	26.2	20.4	20.4	19.6
Aw(mm ²)	22.1	23.7	34.9	26.2	43.6	43.6	45.3	43.3	81.5
W(g/set)	1.9	1.5	2.4	1.9	3.2	4.6	3.9	3.8	5.3

AL value	PL-7	430	810	1000	810	1100	1500	1000	1000	750
	PL-9	480	940	1200	940	1370	1880	1250	1300	900
	PL-11	440	800	1000	800	1200	1560	1040	1200	800
	PL-13	510	1000	1280	100	1460	2000	1300	1390	960
	PL-15	440	800	1000	800	1200	1560	1040	1200	800
	SM-23T	410	780	960	780	1050	1440	960	960	720
	SM-43T	650	1200	1510	1160	1680	2670	1810	1720	1330
	SM-50	750	1400	1750	1350	1950	3100	2100	2000	1550
	SM-60	900	1680	2100	1620	2280	3700	2500	2400	1860
	SM-70S	1000	1750	2200	1700	2300	4600	3100	2600	1900
	SM-100	1100	1900	2400	1900	2500	5100	3400	2900	2100
Core loss	PL-7	0.090	0.17	0.27	0.20	0.36	0.52	0.43	0.42	0.59
	PL-9	0.082	0.15	0.24	0.18	0.33	0.47	0.39	0.38	0.54
	PL-11	0.082	0.15	0.24	0.18	0.33	0.47	0.39	0.38	0.54
	PL-13	0.078	0.14	0.23	0.18	0.31	0.45	0.38	0.36	0.52
	PL-15	0.073	0.14	0.22	0.17	0.29	0.42	0.35	0.34	0.49

EE CORES



Part No.		EE1916B	EE1916S	EE1927S	EE2017S
Type		EE	EE	EE	EE
Dimensions in mm	A	19.00 ±0.30	19.00 ±0.30	19.00 ±0.30	20.30 ±0.40
	B	15.90 ±0.40	16.10 ±0.40	27.30 ±0.50	16.80 ±0.40
	C	5.10 ^{+0.00} _{-0.50}	5.20 ^{+0.00} _{-0.40}	5.10 ^{+0.00} _{-0.50}	4.80 ±0.20
	D	4.00 ±0.30	14.50 ±0.30	14.00 ±0.30	15.70 ±0.40
	E	5.10 ^{+0.00} _{-0.50}	4.70 ^{+0.00} _{-0.50}	5.10 ^{+0.00} _{-0.50}	4.80 ±0.20
	F	11.30 ±0.30	11.30 ±0.30	22.80 ±0.50	12.40 ±0.40

Core Set Parameters	C1(mm ⁻¹)	1.682	1.750	2.654	1.945
	Le(mm)	39.2	39.9	62.1	42.8
	Ae(mm ²)	23.3	22.8	23.4	22.0
	Ve(mm ³)	914	913	1450	942
	Ac(mm ²)	23.5	22.2	23.5	23.0
	Aw(mm ²)	51.6	56.7	104.0	67.5
	W(g/set)	4.7	4.5	7.2	4.6

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	1300	1250	840	1100
		PL-9	1530	1480	1000	1300
		PL-11	1400	1300	900	1200
		PL-13	1630	1580	1070	1390
		PL-15	1400	1300	900	1200
		SM-23T	1250	1200	810	1100
		SM-43T	1940	1940	1330	1700
		SM-50	2250	2250	1550	2000
		SM-60	2700	2700	1860	2400
		SM-70S	2800	2800	2050	2600
		SM-100	3100	3100	2300	2900
	Core loss	PL-7	0.50	0.50	0.80	0.52
		PL-9	0.46	0.46	0.73	0.47
		PL-11	0.46	0.46	0.73	0.47
		PL-13	0.44	0.44	0.70	0.45
		PL-15	0.41	0.41	0.65	0.42

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⁾ 100kHz, 100mT, at 100°C
- ²⁾ 25kHz, 200mT, at 100°C

2) AL value

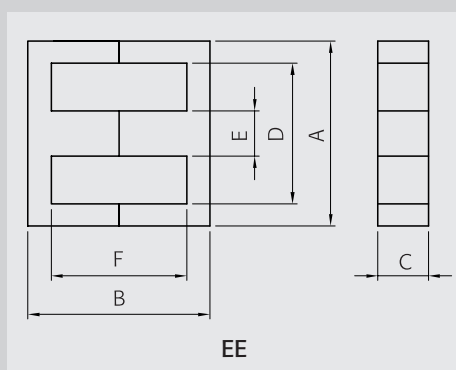
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%
- SM-100 : Non mirror grinding

	EE2020A	EE2020S	EE2027S	EE2218S	EE2219S	EE2220S	EE2229S	EE2329S	EE2519S
	EE	EE	EE	EE	EE	EE	EE	EE	EE
A	20.00 ^{+0.70} _{-0.40}	20.40 ^{+0.00} _{-0.80}	20.00 ±0.40	22.00 ±0.40	22.00 ±0.40	22.10 ±0.40	22.00 ±0.40	23.00 ±0.40	25.40 ±0.40
B	20.40 ^{+0.00} _{-0.80}	20.20 ^{+0.00} _{-0.40}	27.30 ±0.50	18.90 ±0.40	18.60 ±0.40	19.80 ±0.30	29.40 ^{+0.00} _{-0.80}	29.40 ^{+0.00} _{-0.80}	19.05 ±0.40
C	5.30 ^{+0.00} _{-0.40}	5.90 ^{+0.00} _{-0.40}	5.10 ^{+0.00} _{-0.50}	6.00 ^{+0.00} _{-0.60}	6.00 ^{+0.00} _{-0.60}	5.00 ±0.25	6.00 ^{+0.00} _{-0.50}	6.00 ^{+0.00} _{-0.50}	6.35 ±0.30
D	14.10 ±0.30	14.10 ±0.30	15.00 ±0.40	16.00 ±0.40	14.00 ±0.30	17.60 ±0.30	16.00 ±0.40	17.00 ±0.40	19.00 ±0.30
E	5.90 ^{+0.00} _{-0.30}	5.90 ^{+0.00} _{-0.30}	5.10 ^{+0.00} _{-0.50}	6.00 ^{+0.00} _{-0.60}	6.00 ^{+0.00} _{-0.60}	4.00 ±0.30	6.00 ^{+0.00} _{-0.50}	6.00 ^{+0.00} _{-0.50}	6.35 ±0.30
F	14.00 ^{+0.60} _{-0.00}	14.00 ^{+0.60} _{-0.00}	22.80 ±0.50	10.90 ±0.30	10.60 ±0.30	15.20 ±0.30	21.40 ^{+0.00} _{-0.80}	21.40 ^{+0.00} _{-0.80}	12.70 ±0.30

C1(mm ⁻¹)	1.423	1.432	2.708	1.143	1.018	2.352	1.790	1.813	1.188
Le(mm)	43.4	46.1	63.1	42.3	40.2	50.8	63.9	64.9	48.0
Ae(mm ²)	30.5	32.2	23.3	37.0	39.5	21.6	35.7	35.8	40.4
Ve(mm ³)	1320	1480	1470	1565	1590	1100	2280	2320	1940
Ac(mm ²)	25.5	32.7	23.5	34.2	32.4	20.0	33.0	33.0	40.3
Aw(mm ²)	53.3	61.8	115.0	55.9	43.9	103.0	111.0	122.0	80.3
W(g/set)	7.2	7.5	7.2	8.3	8.6	5.5	11.7	12.1	10.6

AL value	PL-7	1550	1540	830	1900	2200	950	1300	1250	1900
	PL-9	1850	1830	1000	2300	2500	1100	1450	1400	2200
	PL-11	1600	1600	900	2000	2300	1000	1400	1300	2000
	PL-13	1970	1950	1070	2450	2670	1170	1550	1490	2350
	PL-15	1600	1600	900	2000	2300	1000	1400	1300	2000
	SM-23T	1500	1500	800	1800	2100	900	1200	1200	1800
	SM-43T	2400	2400	1300	2900	3300	1500	2100	2100	2900
	SM-50	2800	2800	1550	3380	3800	1800	2400	2400	3400
	SM-60	3360	3360	1860	4050	4560	2160	2880	2880	4080
	SM-70S	3600	3600	2050	4310	4850	2300	3300	3300	4450
	SM-100	4000	4000	2300	4700	5300	2500	3600	3600	4900
Core loss	PL-7	0.73	0.81	0.81	0.86	0.87	0.61	1.25	1.28	1.07
	PL-9	0.66	0.74	0.74	0.78	0.80	0.55	1.14	1.16	0.97
	PL-11	0.66	0.74	0.74	0.78	0.80	0.55	1.14	1.16	0.97
	PL-13	0.63	0.71	0.71	0.75	0.76	0.53	1.09	1.11	0.93
	PL-15	0.59	0.67	0.66	0.70	0.72	0.50	1.03	1.04	0.87

EE CORES



Part No.		EE2520S	EE2525F	EE2525S	EE2525W
Type		EE	EE	EE	EE
Dimensions in mm	A	25.00 ±0.40	25.0 ±0.75	24.50 ±0.40	25.05 ±0.75
	B	20.00 ±0.40	25.10 ±0.50	25.00 ±0.40	25.10 ±0.50
	C	6.55 ±0.30	7.20 ±0.30	7.00 ±0.30	10.75 ±0.30
	D	18.60 ±0.30	17.90 ±0.40	17.90 ±0.40	17.90 ±0.40
	E	6.55 ±0.30	7.20 ±0.25	7.30 ±0.20	7.25 ±0.25
	F	13.60 ±0.30	17.90 ±0.50	18.40 ±0.40	17.90 ±0.50

Core Set Parameters	C1(mm ⁻¹)	1.171	1.116	1.212	0.748
	Le(mm)	49.4	57.8	57.8	57.8
	Ae(mm ²)	42.2	51.8	47.7	77.3
	Ve(mm ³)	2080	2990	2760	4470
	Ac(mm ²)	42.9	52.1	51.1	77.9
	Aw(mm ²)	81.9	95.3	97.5	95.3
	W(g/set)	10.5	15.2	13.1	21.9

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	1950	2100	1850	3150
		PL-9	2300	2350	2150	3500
		PL-11	2000	2200	1900	3300
		PL-13	2450	2510	2290	3730
		PL-15	2000	2200	1900	3300
		SM-23T	1900	2000	1800	3000
		SM-43T	3100	3400	2800	5000
		SM-50	3550	4000	3300	5800
		SM-60	4260	4800	3960	6960
		SM-70S	4450	4900	4300	7500
		SM-100	4900	5400	4700	8300
	Core loss	PL-7	1.14	1.64	1.52	2.46
		PL-9	1.04	1.50	1.38	2.24
		PL-11	1.04	1.50	1.38	2.24
		PL-13	1.00	1.44	1.32	2.15
		PL-15	0.94	1.35	1.24	2.01

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⁾ 100kHz, 100mT, at 100°C
- ²⁾ 25kHz, 200mT, at 100°C

2) AL value

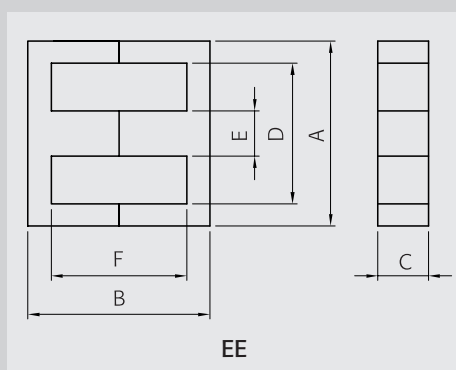
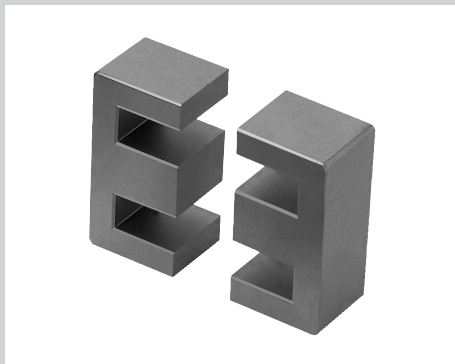
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%
- SM-100 : Non mirror grinding

	EE2532B	EE2532S	EE2722S	EE2821S	EE2821SC	EE2825S	EE2828S	EE2834S	EE3026A
	EE	EE	EE	EE	EE	EE	EE	EE	EE
A	25.30 ^{+0.50} _{-0.30}	25.30 ^{+0.50} _{-0.30}	27.00 ±0.50	28.00 ±0.40	28.50 ±0.50	28.00 ±0.50	28.40 ±0.40	28.00 ±0.40	30.00 ±0.50
B	31.60 ^{+0.60} _{-0.30}	32.00 ±0.40	22.00 ±0.40	21.00 ±0.50	20.90 ±0.40	25.50 ±0.60	28.40 ±0.40	34.60 ±0.40	26.00 ±0.50
C	6.35 ±0.25	7.00 ^{+0.00} _{-0.50}	11.00 ±0.50	11.50 ^{+0.00} _{-0.50}	10.90 ±0.30	10.60 ±0.20	10.70 ±0.30	11.00 ^{+0.00} _{-0.60}	10.00 ^{+0.00} _{-0.60}
D	19.30 ^{+0.40} _{-0.20}	19.30 ^{+0.40} _{-0.20}	19.20 min.	19.30 ±0.30	20.50 ±0.30	18.60 min.	20.40 ±0.40	18.60 min.	20.00 ±0.40
E	6.50 ^{+0.30} _{-0.25}	6.50 ^{+0.30} _{-0.25}	7.30 ±0.50	8.00 ±0.30	7.30 ±0.30	7.20 ±0.30	7.20 ±0.30	7.50 ^{+0.00} _{-0.60}	10.00 ^{+0.00} _{-0.60}
F	25.40 ±0.60	25.40 ±0.60	14.50 ±0.40	11.40 ±0.50	13.30 ±0.40	16.50 ±0.40	19.40 ±0.40	25.60 ±0.40	16.00 ±0.30

C1(mm ⁻¹)	1.847	1.747	0.654	0.492		0.664	0.763	0.868	0.603
Le(mm)	73.5	73.9	53.0	48.0	51.7	57.7	64.6	75.6	57.9
Ae(mm ²)	39.8	42.3	81.1	97.5	82.9	86.9	84.7	87.1	95.9
Ve(mm ³)	2930	3130	4297	4680	4290	5010	5470	6580	5550
Ac(mm ²)	41.4	44.0	84.3	89.1	79.5	76.3	77.0	77.0	94.0
Aw(mm ²)	163.0	164.0	86.1	64.4	87.7	98.1	128.0	151.0	82.4
W(g/set)	14.4	15.4	21.7	21.4	21.2	26.1	27.6	33.8	32.0

AL value	PL-7	1200	1300	3200	4350	3500	3300	3000	2600	3550
	PL-9	1400	1500	3700	5050	4050	3850	3400	3050	4150
	PL-11	1300	1400	3300	4500	3700	3400	3100	2700	3700
	PL-13	1490	1600	3940	5380	4320	4100	3620	3250	4420
	PL-15	1300	1400	3300	4500	3700	3400	3100	2700	3700
	SM-23T	1200	1200	3100	4200	3400	3200	2900	2500	3400
	SM-43T	2200	2300	5800	7700	6100	5700	5000	4400	6300
	SM-50	2500	2640	6720	8940	7060	6630	5770	5070	7300
	SM-60	3000	3170	8070	10730	8470	7950	6930	6090	8760
	SM-70S	3300	3440	9370	12460	9840	9230	8040	7070	10200
	SM-100	3600	3800	10300	13700	10800	10200	8800	7800	11200
Core loss	PL-7	1.61	1.72	2.36	2.57	2.36	2.76	3.01	3.62	3.42
	PL-9	1.47	1.57	2.15	2.34	2.15	2.51	2.74	3.29	3.11
	PL-11	1.47	1.57	2.15	2.34	2.15	2.51	2.74	3.29	3.11
	PL-13	1.41	1.50	2.06	2.25	2.06	2.40	2.63	3.16	2.98
	PL-15	1.32	1.41	1.93	2.11	1.93	2.25	2.46	2.96	2.79

EE CORES



Part No.		EE3026S	EE3030A	EE3030S	EE3232S
Type		EE	EE	EE	EE
Dimensions in mm	A	30.00 ±0.50	30.00 ±0.50	30.00 ±0.50	32.10 ±0.80
	B	26.60 ±0.40	30.40 ±0.60	30.00 ±0.20	32.20 ±0.60
	C	10.70 ±0.30	11.80 ±0.30	7.10 ±0.20	9.15 ±0.20
	D	19.50 min.	22.30 min.	19.90 ±0.40	23.20 ±0.50
	E	10.70 ±0.30	7.20 ±0.30	6.90 ±0.30	9.20 ±0.30
	F	16.60 ±0.30	23.20 ±0.60	19.90 ±0.50	23.00 ±0.60

Core Set Parameters	C1(mm ⁻¹)	0.541	0.862	1.090	0.894
	Le(mm)	57.9	73.3	65.4	74.3
	Ae(mm ²)	107.0	85.0	60.0	83.1
	Ve(mm ³)	6210	6231	3920	6180
	Ac(mm ²)	114.0	85.0	48.9	84.1
	Aw(mm ²)	77.1	181.0	129.0	161.0
	W(g/set)	32.2	32	21.8	30.4

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	4000	2400	2000	2400
		PL-9	4800	2800	2350	2850
		PL-11	4200	2600	2100	2500
		PL-13	5120	2980	2510	3040
		PL-15	4200	2600	2100	2500
		SM-23T	3800	2300		
		SM-43T	7000	4390		
		SM-50	8160	5100		
		SM-60	9790	6120		
		SM-70S	11300	7110		
		SM-100	12400	7800		
	Core loss	PL-7	3.42	3.43	2.16	3.40
		PL-9	3.11	3.12	1.96	3.09
		PL-11	3.11	3.12	1.96	3.09
		PL-13	2.98	2.99	1.88	2.97
		PL-15	2.79	2.80	1.76	2.78

Note : 1) Core Loss

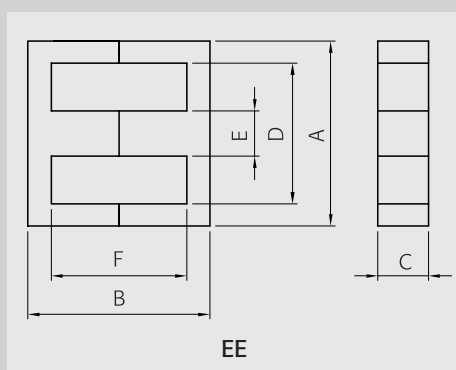
- Unit : Watt max.
- Measuring conditions
- PL-7, PL-11, PL-15 : 100kHz, 200mT, at 100°C
- PL-9, PL-13 : 100kHz, 200mT, at 80°C
- ¹⁾ 100kHz, 100mT, at 100°C
- ²⁾ 25kHz, 200mT, at 100°C

2) AL value

- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%
- SM-100 : Non mirror grinding

		EE3327S	EE3528S	EE3529S	EE3530S	EE3549S	EE3643S	EE4035S	EE4133B	EE4133N
		EE	EE	EE	EE	EE	EE	EE	EE	EE
A		33.40 ±0.50	34.60 ±0.50	34.70 ±0.40	35.00 ±0.50	35.00 ±0.50	36.00 ±0.70	40.00 ^{+0.70} _{-0.50}	41.50 ±0.80	41.50 ±0.80
B		27.40 ^{+1.00} _{-0.00}	28.60 ±0.60	28.75 ±0.40	30.20 ±0.50	48.80 ±0.40	43.10 ±0.40	34.50 ^{+0.80} _{-0.20}	33.00 ±0.40	34.00 ±0.40
C		13.00 ^{+0.00} _{-0.60}	9.30 ±0.30	9.20 ^{+0.25} _{-0.30}	12.00 ^{+0.00} _{-0.50}	10.00 ±0.30	11.75 ±0.25	12.00 ^{+0.00} _{-0.70}	12.70 ±0.25	12.70 ±0.25
D		24.60 ±0.40	25.60 ±0.50	25.40 ±0.40	25.00 ±0.40	24.50 min.	25.10 ±0.60	27.50 ^{+0.70} _{-0.00}	28.80 min.	29.00 min.
E		10.00 ^{+0.00} _{-0.60}	9.40 ±0.25	9.40 ±0.20	10.30 ^{+0.00} _{-0.50}	10.00 ±0.30	9.95 ±0.25	12.00 ^{+0.00} _{-0.70}	12.50 ±0.20	12.50 ±0.20
F		18.80 ^{+1.00} _{-0.00}	19.60 ±0.50	19.25 ±0.40	18.20 ±0.30	36.60 ±0.40	32.10 ±0.60	20.40 ^{+0.20} _{-0.40}	20.80 ±0.40	21.20 ±0.40
C1(mm ⁻¹)		0.591	0.822	0.804	0.551	1.000	0.780	0.524	0.509	0.503
Le(mm)		67.4	69.7	69.3	68.3	104.0	96.0	77.1	77.6	79.0
Ae(mm ²)		114.0	84.8	86.2	124.0	104.0	123.0	147.0	152.5	157.0
Ve(mm ³)		7690	5910	5970	8500	10900	11870	11370	11825	12470
Ac(mm ²)		123.0	87.4	86.2	118.0	100.0	116.0	135.0	158.0	158.0
Aw(mm ²)		143.0	158.0	154.0	136.0	270.0	243.0	164.0	177.8	180.0
W(g/set)		39	29.5	30.4	42.9	56	60	60	63	63
AL value	PL-7	3700	2600	2850	4000	2200	2850	4000	4200	4200
	PL-9	4300	3100	3250	4700	2600	3300	4800	4800	4900
	PL-11	3900	2700	3000	4200	2300	3000	4200	4300	4400
	PL-13	4580	3300	3460	5010	2770	3520	5120	5120	5220
	PL-15	3900	2700	3000	4200	2300	3000	4200	4300	4400
Core loss	PL-7	4.23	3.25	3.28	4.68	6.00	6.53	6.25	6.50	6.86
	PL-9	3.85	2.96	2.99	4.25	5.45	5.94	5.69	5.91	6.24
	PL-11	3.85	2.96	2.99	4.25	5.45	5.94	5.69	5.91	6.24
	PL-13	3.69	2.84	2.87	4.08	5.23	5.70	5.46	5.68	5.99
	PL-15	3.46	2.66	2.69	3.83	4.91	5.34	5.12	5.32	5.61

EE CORES



Part No.		EE4133S	EE4242B	EE4242S	EE5040S
Type		EE	EE	EE	EE
Dimensions in mm	A	41.28 ±0.80	42.00 ^{+1.00} _{-0.70}	42.00 ^{+1.00} _{-0.70}	50.15 ^{+0.70} _{-0.50}
	B	33.52 ±0.40	42.40 ±0.40	42.40 ±0.40	41.90 ±0.50
	C	12.70 ±0.25	15.00 ±0.30	20.00 ^{+0.00} _{-0.80}	15.70 ^{+0.00} _{-0.50}
	D	28.01 min.	29.50 ^{+1.20} _{-0.00}	29.50 ^{+1.20} _{-0.00}	33.00 ±0.50
	E	12.70 ±0.25	12.20 ^{+0.00} _{-0.50}	12.20 ^{+0.00} _{-0.50}	15.70 ^{+0.00} _{-0.50}
	F	20.82 ±0.40	30.00 ^{+0.80} _{-0.00}	30.00 ^{+0.80} _{-0.00}	24.90 ±0.50

Core Set Parameters	C1(mm ⁻¹)	0.480	0.550	0.416	0.367
	Le(mm)	77.5	97.9	97.8	93.3
	Ae(mm ²)	161.3	178.0	235.0	254.0
	Ve(mm ³)	12501	17510	23000	23790
	Ac(mm ²)	151.8	176.0	234.0	238.0
	Aw(mm ²)	164.6	278.0	275.0	218.0
	W(g/set)	64	88	116	121

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	4400	3800	5000	5800
		PL-9	5100	4500	6000	6800
		PL-11	4600	4000	5200	6000
		PL-13	5440	4800	6400	7250
		PL-15	4600	4000	5200	6000
	Core loss	PL-7	6.88	9.63	12.65	1.89 ²⁾
		PL-9	6.25	8.76	11.50	1.70 ²⁾
		PL-11	6.25	8.76	11.50	1.70 ²⁾
		PL-13	6.00	8.40	11.04	1.70 ²⁾
		PL-15	5.63	7.88	10.35	1.53 ²⁾

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⁾ 100kHz, 100mT, at 100°C
- ²⁾ 25kHz, 200mT, at 100°C

2) AL value

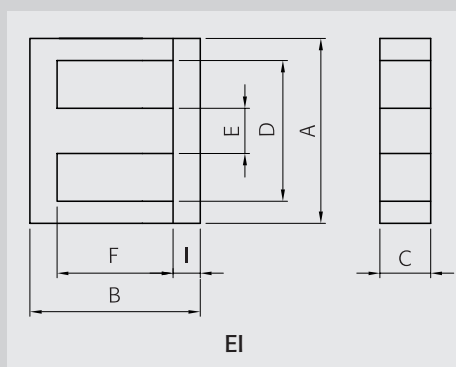
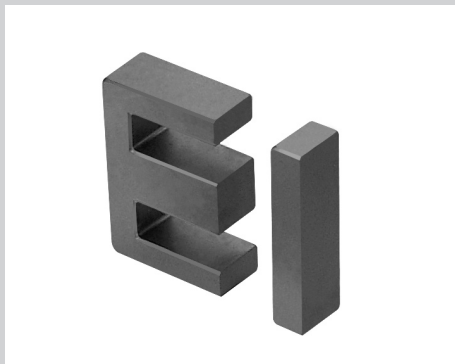
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%
- SM-100 : Non mirror grinding

	EE5555A	EE5555S	EE6565S	EE7066A	EE7166S	EE8076S
	EE	EE	EE	EE	EE	EE
A	55.15 ± 1.05	55.15 ± 1.05	65.15 ± 1.35	70.00 ± 1.00	70.50 ± 1.00	80.00 ± 0.80
B	55.00 ± 0.60	55.00 ± 0.60	65.00 ± 0.60	33.00 ± 0.20	33.20 $^{+0.00}_{-0.50}$	76.10 ± 0.40
C	21.00 $^{+0.00}_{-0.80}$	24.70 ± 0.30	27.00 ± 0.40	31.60 ± 0.50	31.60 ± 0.40	20.00 ± 0.40
D	38.10 ± 0.60	38.10 ± 0.60	45.10 ± 0.90	48.60 ± 0.70	48.50 ± 0.50	60.00 ± 0.60
E	16.95 ± 0.25	16.95 ± 0.25	19.65 ± 0.35	21.50 ± 0.40	21.60 ± 0.30	20.00 ± 0.40
F	37.60 ± 0.60	37.60 ± 0.60	45.20 ± 0.80	22.20 ± 0.20	21.90 $^{+0.70}_{-0.00}$	56.10 ± 0.60

C1(mm ⁻¹)	0.349	0.291	0.275	0.220	0.218	0.475
Le(mm)	123.0	123.0	147.0	149.7	149.0	189.8
Ae(mm ²)	352.0	422.0	535.0	679.2	683.0	400.0
Ve(mm ³)	43470	52130	78700	101683	102000	75920
Ac(mm ²)	349.0	418.0	530.0	679.4	701.0	400.0
Aw(mm ²)	397.0	397.0	575.0	601.6	550.0	1122.0
W(g/set)	219	263	398	490	490	379

AL value	PL-7	6000	7200	8000	9500	9500	4500
	PL-9	7100	9000	9600	11500	11500	5200
	PL-11	6300	6300	8000	10000	10000	4700
	PL-13	8500	9000	10000	12500	12500	5540
	PL-15	6300	6300	8000	10000	10000	4700
Core loss	PL-7	3.75 ¹⁾	5.00 ¹⁾	6.30 ²⁾	10.20 ¹⁾	10.30 ¹⁾	6.60 ²⁾
	PL-9	3.30 ¹⁾	4.50 ¹⁾	5.70 ²⁾	9.20 ¹⁾	9.30 ¹⁾	6.00 ²⁾
	PL-11	3.30 ¹⁾	4.50 ¹⁾	5.70 ²⁾	9.20 ¹⁾	9.30 ¹⁾	6.00 ²⁾
	PL-13	3.30 ¹⁾	4.50 ¹⁾	5.70 ²⁾	9.20 ¹⁾	9.30 ¹⁾	6.00 ²⁾
	PL-15	3.10 ¹⁾	4.20 ¹⁾	5.30 ²⁾	8.60 ¹⁾	8.70 ¹⁾	5.60 ²⁾

EI CORES



Part No.		EI1309S	EI1614S	EI1916S	EI2016S
Type		EI	EI	EI	EI
Dimensions in mm	A	12.50 ± 0.20	16.00 ± 0.30	19.00 ± 0.30	20.00 ± 0.30
	B	9.10 ± 0.40	14.70 ± 0.30	15.90 ± 0.40	15.85 ± 0.35
	C	5.00 $^{+0.10}_{-0.20}$	4.80 ± 0.20	5.10 $^{+0.00}_{-0.50}$	5.00 ± 0.20
	D	9.20 $^{+0.50}_{-0.30}$	11.80 min.	14.00 ± 0.30	14.30 min.
	E	2.50 $^{+0.10}_{-0.20}$	4.00 ± 0.20	5.10 $^{+0.00}_{-0.50}$	4.55 ± 0.20
	F	5.00 ± 0.15	10.80 ± 0.20	11.30 ± 0.30	11.15 ± 0.30
	I	1.60 ± 0.15	2.00 ± 0.20	2.35 ± 0.20	2.30 ± 0.10

Core Set Parameters	C1(mm ⁻¹)	1.378	1.900	1.681	1.650
	Le(mm)	21.2	35.9	39.2	39.6
	Ae(mm ²)	15.3	18.8	23.3	24.0
	Ve(mm ³)	325	676	913	950
	Ac(mm ²)	12.1	19.2	23.5	22.8
	Aw(mm ²)	16.7	43.7	51.6	56.6
	W(g/set)	1.9	3.5	4.5	4.9

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	1400	1250	1300	1097
		PL-9	1600	1330	1530	1400
		PL-11	1500	1300	1400	1100
		PL-13	1710	1420	1630	1490
		PL-15	1500	1300	1400	1100
	Core loss	PL-7	0.18	0.37	0.50	0.52
		PL-9	0.16	0.34	0.46	0.48
		PL-11	0.16	0.34	0.46	0.48
		PL-13	0.16	0.32	0.44	0.46
		PL-15	0.15	0.30	0.41	0.43

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) 100kHz, 100mT, at 100°C
- 2) 25kHz, 200mT, at 100°C

2) AL value

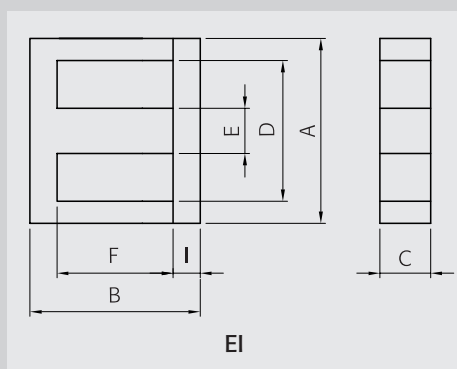
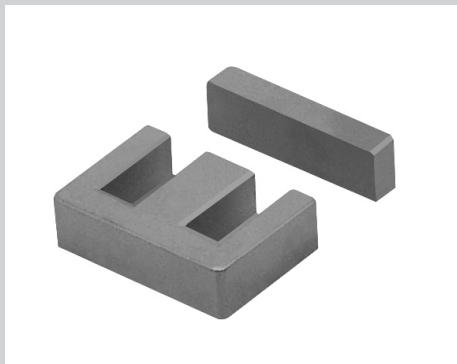
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : $\pm 25\%$

	EI2218S	EI2418S	EI2519S	EI2820S	EI3026S	EI3329S	EI3530A	EI3530S	EI4035S
	EI	EI	EI	EI	EI	EI	EI	EI	EI
A	22.00 ± 0.40	24.00 ± 0.40	25.00 $\begin{smallmatrix} +0.50 \\ -0.30 \end{smallmatrix}$	28.00 ± 0.40	30.00 $\begin{smallmatrix} +0.50 \\ -0.30 \end{smallmatrix}$	33.00 ± 0.50	35.00 ± 0.50	35.00 ± 0.50	40.00 $\begin{smallmatrix} +0.70 \\ -0.50 \end{smallmatrix}$
B	19.00 ± 0.40	18.10 ± 0.40	18.70 ± 0.50	20.80 ± 0.40	26.70 $\begin{smallmatrix} +0.60 \\ -0.20 \end{smallmatrix}$	28.60 ± 0.50	28.60 $\begin{smallmatrix} +0.50 \\ -0.00 \end{smallmatrix}$	29.70 ± 0.50	34.70 $\begin{smallmatrix} +0.60 \\ -0.20 \end{smallmatrix}$
C	6.00 $\begin{smallmatrix} +0.00 \\ -0.50 \end{smallmatrix}$	9.65 ± 0.20	7.00 $\begin{smallmatrix} +0.00 \\ -0.50 \end{smallmatrix}$	11.00 $\begin{smallmatrix} +0.00 \\ -0.60 \end{smallmatrix}$	11.00 $\begin{smallmatrix} +0.00 \\ -0.70 \end{smallmatrix}$	12.70 ± 0.25	10.00 ± 0.30	12.00 $\begin{smallmatrix} +0.00 \\ -0.50 \end{smallmatrix}$	12.00 $\begin{smallmatrix} +0.00 \\ -0.70 \end{smallmatrix}$
D	16.00 ± 0.40	18.10 ± 0.30	19.10 min.	18.60 min.	20.00 $\begin{smallmatrix} +0.70 \\ -0.00 \end{smallmatrix}$	24.00 ± 0.50	24.50 ± 0.40	25.00 ± 0.40	27.50 $\begin{smallmatrix} +0.70 \\ -0.00 \end{smallmatrix}$
E	6.00 $\begin{smallmatrix} +0.00 \\ -0.50 \end{smallmatrix}$	6.00 ± 0.20	6.50 ± 0.30	7.50 $\begin{smallmatrix} +0.00 \\ -0.60 \end{smallmatrix}$	11.00 $\begin{smallmatrix} +0.70 \\ -0.00 \end{smallmatrix}$	10.00 $\begin{smallmatrix} +0.00 \\ -0.50 \end{smallmatrix}$	10.00 ± 0.30	10.30 $\begin{smallmatrix} +0.00 \\ -0.50 \end{smallmatrix}$	12.00 $\begin{smallmatrix} +0.00 \\ -0.70 \end{smallmatrix}$
F	10.80 $\begin{smallmatrix} +0.40 \\ -0.00 \end{smallmatrix}$	12.20 ± 0.20	12.70 $\begin{smallmatrix} +0.50 \\ -0.00 \end{smallmatrix}$	12.80 ± 0.20	16.20 $\begin{smallmatrix} +0.60 \\ -0.00 \end{smallmatrix}$	19.20 ± 0.30	18.00 $\begin{smallmatrix} +0.40 \\ -0.10 \end{smallmatrix}$	18.20 ± 0.30	20.20 $\begin{smallmatrix} +0.60 \\ -0.00 \end{smallmatrix}$
I	4.00 ± 0.20	2.90 ± 0.20	2.90 $\begin{smallmatrix} +0.00 \\ -0.30 \end{smallmatrix}$	3.50 ± 0.15	5.50 ± 0.20	5.20 ± 0.20	4.60 ± 0.30	5.50 ± 0.20	7.50 ± 0.25

C1(mm ⁻¹)	1.148	0.800	1.206	0.586	0.537	0.567	0.650	0.554	0.526
Le(mm)	42.5	45.8	48.0	49.5	58.8	67.1	66.9	68.0	77.4
Ae(mm ²)	37.0	57.2	39.7	84.4	109.0	118.0	102.0	122.0	147.0
Ve(mm ³)	1570	2621	1900	4170	6440	7640	6880	8350	11390
Ac(mm ²)	33.0	57.9	43.8	77.0	113.0	123.0	100.0	118.0	135.0
AW(mm ²)	56.3	76.3	84.1	75.5	80.0	136.0	131.0	136.0	166.0
W(g/set)	8.3	13.2	9.5	21.7	33	40.7	35	42.4	59

Al value	PL-7	1950	2700	2000	3800	4000	3800	3350	3950	4000
	PL-9	2100	3100	2300	4300	4800	4600	4050	4700	4800
	PL-11	2000	2800	2000	4000	4200	4000	3500	4100	4200
	PL-13	2240	3300	2450	4580	5120	4900	4320	5010	5120
	PL-15	2000	2800	2000	4000	4200	4000	3500	4100	4200
Core loss	PL-7	0.86	1.44	1.05	2.29	3.54	4.20	3.78	4.59	6.26
	PL-9	0.79	1.31	0.95	2.09	3.22	3.82	3.44	4.18	5.70
	PL-11	0.79	1.31	0.95	2.09	3.22	3.82	3.44	4.18	5.70
	PL-13	0.75	1.26	0.91	2.00	3.09	3.67	3.30	4.01	5.47
	PL-15	0.71	1.18	0.86	1.88	2.90	3.44	3.10	3.76	5.13

EI CORES



Part No.		EI5040S	EI6044S	EI7064S
Type		EI	EI	EI
Dimensions in mm	A	50.00 $^{+0.70}_{-0.50}$	60.00 $^{+1.00}_{-0.50}$	70.00 ± 1.20
	B	42.00 $^{+0.80}_{-0.20}$	44.40 $^{+0.80}_{-0.20}$	64.40 ± 0.25
	C	15.00 $^{+0.00}_{-0.70}$	15.80 $^{+0.00}_{-0.80}$	31.60 ± 0.50
	D	34.50 $^{+1.00}_{-0.00}$	44.50 min.	46.30 min.
	E	15.00 $^{+0.00}_{-0.70}$	15.80 $^{+0.00}_{-0.80}$	22.20 ± 0.50
	F	24.50 $^{+0.60}_{-0.00}$	27.50 $^{+0.70}_{-0.00}$	42.80 ± 0.25
	I	9.00 ± 0.25	8.50 ± 0.25	10.40 ± 0.50

Core Set Parameters	C1(mm ⁻¹)	0.417	0.452	0.208
	Le(mm)	95.0	110.0	145.0
	Ae(mm ²)	227.0	244.0	698.0
	Ve(mm ³)	21660	26950	101530
	Ac(mm ²)	213.0	237.0	701.0
	Aw(mm ²)	253.0	412.0	541.0
	W(g/set)	112	138	519

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	5200	4500	10500
		PL-9	6100	5500	12000
		PL-11	5400	4700	10900
		PL-13	6500	5860	12800
		PL-15	5400	4700	10900
	Core loss	PL-7	1.73 ²⁾	14.82	10.00 ²⁾
		PL-9	1.56 ²⁾	13.48	9.00 ²⁾
		PL-11	1.56 ²⁾	13.48	9.00 ²⁾
		PL-13	1.56 ²⁾	12.94	9.00 ²⁾
		PL-15	1.40 ²⁾	12.13	8.10 ²⁾

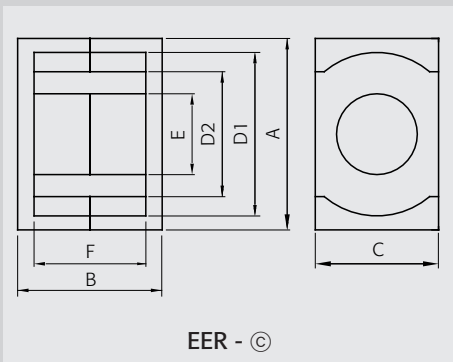
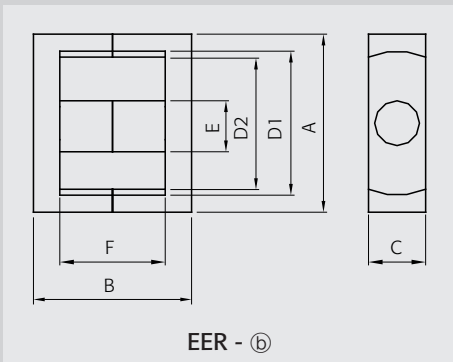
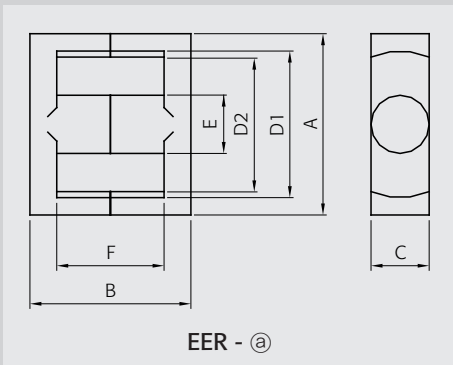
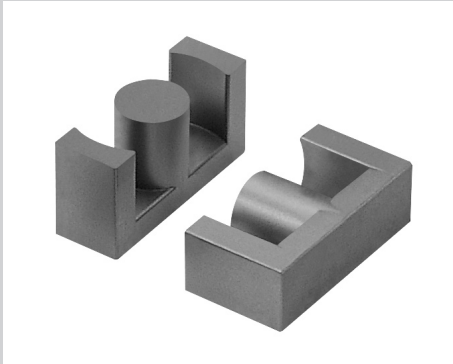
Note : 1) Core Loss

- 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⁾ 100kHz, 100mT, at 100°C
- ²⁾ 25kHz, 200mT, at 100°C

2) AL value

- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : $\pm 25\%$

EER CORES



Part No.		EER0905S	EER1104S	EER1105S	EER1406S
Type		EER - (b)	EER - (b)	EER - (b)	EER - (b)
Dimensions in mm	A	9.35 ±0.15	10.85 ±0.17	10.85 ±0.17	14.50 ±0.20
	B	4.90 ±0.10	3.85 ±0.10	4.90 ±0.10	5.90 ±0.10
	C	4.90 ±0.10	5.90 ±0.10	5.90 ±0.10	6.75 ±0.10
	D1	7.50 min.	8.70 min.	8.70 min.	11.60 min.
	D2	7.00 min.	7.90 min.	7.90 min.	
	E	3.40 ±0.10	4.13 ±0.12	4.13 ±0.12	4.75 ±0.10
	F	3.35 ±0.15	2.10 ±0.15	3.15 ±0.15	3.30 ±0.20

Core Set Parameters	C1(mm ⁻¹)	1.671	1.077	1.235	1.080
	Le(mm)	14.2	12.6	14.7	19.0
	Ae(mm ²)	8.5	11.7	11.9	17.6
	Ve(mm ³)	120	147	174	333
	Ac(mm ²)	9.1	13.4	13.4	18
	AW(mm ²)	7.2	5.0	7.5	11.6
	W(g/set)	0.6	0.8	0.9	1.8

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	1100	1750	1500	2000
		PL-9	1300	2030	1750	2300
		PL-11	1200	1800	1600	2100
		PL-13	1390	2160	1870	2450
		PL-15	1200	1800	1600	2100
	Core loss	PL-7	0.07	0.08	0.10	0.18
		PL-9	0.06	0.07	0.09	0.17
		PL-11	0.06	0.07	0.09	0.17
		PL-13	0.06	0.07	0.08	0.16
		PL-15	0.05	0.07	0.08	0.15

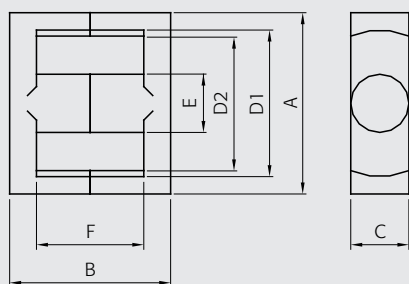
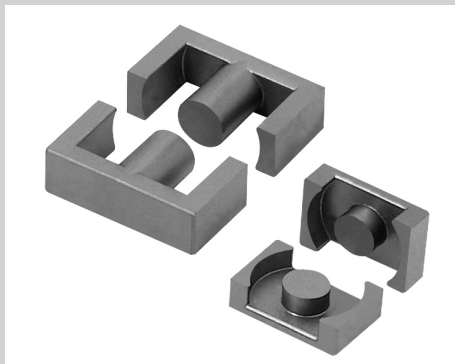
Note : 1) Core Loss

- 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) 100kHz, 100mT, at 100°C
- 2) 25kHz, 200mT, at 100°C

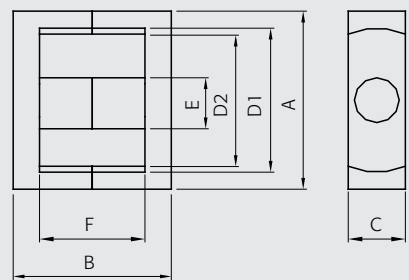
2) AL value

- Unit : nH/N²
- Measuring conditions : 1 kHz, 0.1V, 23°C
- Tolerance : ±25%

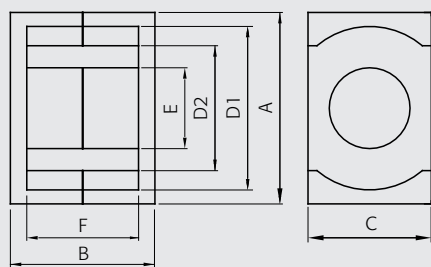
EER CORES



EER - (a)



EER - (b)



EER - (c)

Part No.		EER1916S	EER2116S	EER2429S	EER2619S
Type		EER - (a)	EER - (b)	EER - (a)	EER - (a)
Dimensions in mm	A	19.00 ±0.30	21.40 ±0.50	24.40 ±0.50	25.50 ±0.50
	B	8.05 ±0.20	16.20 ±0.30	28.90 ±0.30	19.00 ±0.40
	C	5.10 ±0.20	14.00 ±0.25	8.50 ±0.30	7.50 ±0.20
	D1	14.50 ±0.30	18.00 ±0.40	18.60 ±0.60	19.80 min.
	D2	17.60 ref.			
	E	5.10 ±0.20	9.00 ±0.20	8.50 ±0.20	7.50 ±0.15
	F	5.65 ±0.15	11.20 ±0.40	20.20 ±0.40	12.80 ±0.40

Core Set Parameters	C1(mm ⁻¹)	1.781	0.625	1.056	1.090
	Le(mm)	39.9	42.5	62.3	48.3
	Ae(mm ²)	22.4	68.0	59.0	44.3
	Ve(mm ³)	893.7	2890	3680	2140
	Ac(mm ²)	20.4	63.6	56.7	44.2
	Aw(mm ²)	53.1	51.3	102.0	81.9
	W(g/set)	4.5	14.1	19.3	10.8

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	1272	3300	2100	2000
		PL-9	1590	3800	2500	2300
		PL-11	1325	3400	2200	2100
		PL-13	1690	4050	2670	2450
		PL-15	1325	3400	2200	2100
	Core loss	PL-7	0.49	1.59	2.02	1.18
		PL-9	0.45	1.45	1.84	1.07
		PL-11	0.45	1.45	1.84	1.07
		PL-13	0.43	1.39	1.77	1.03
		PL-15	0.40	1.30	1.66	0.96

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) 100kHz, 100mT, at 100°C
- 2) 25kHz, 200mT, at 100°C

2) AL value

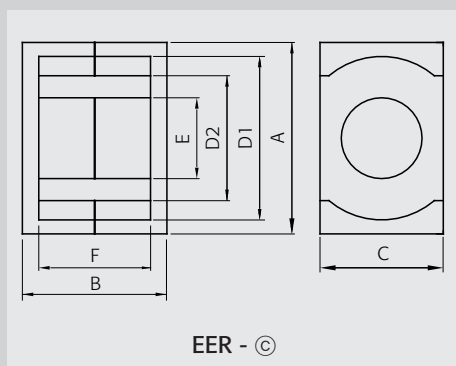
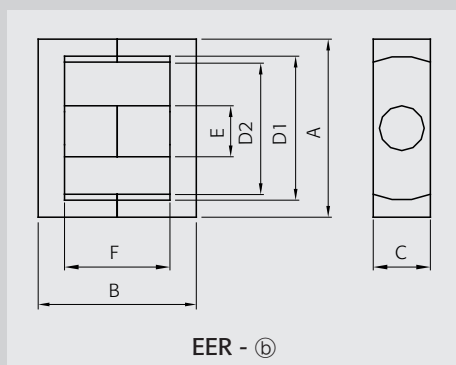
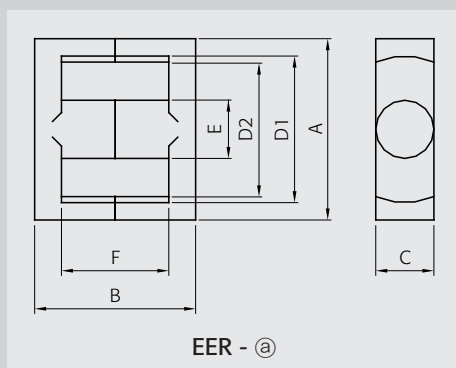
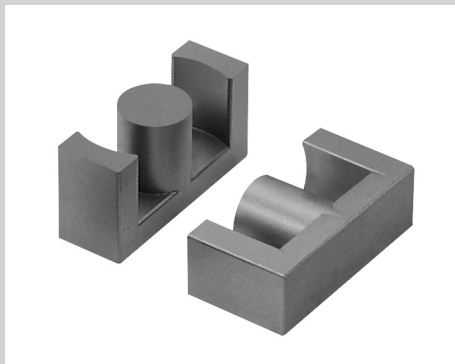
- Unit : nH/N²
- Measuring conditions : 1 kHz, 0.1V, 23°C
- Tolerance : ±25%

	EER2817S	EER2819S	EER2820S	EER2828N	EER2828S	EER2834N	EER2834S	EER3016S	EER3016W
	EER - (b)	EER - (b)	EER - (b)	EER - (b)	EER - (b)	EER - (b)	EER - (b)	EER - (c)	EER - (c)
A	28.50 ^{+0.60} _{-0.50}	28.50 ^{+0.60} _{-0.50}	28.50 ^{+0.50} _{-0.40}	28.50 ^{+0.60} _{-0.50}	28.50 ^{+0.60} _{-0.50}	28.50 ^{+0.60} _{-0.50}	28.50 ^{+0.60} _{-0.50}	30.00 ±0.40	30.00 ±0.50
B	8.80 ±0.20	9.70 ±0.15	20.00 ±0.30	28.00 ±0.40	28.00 ±0.40	33.80 ±0.50	33.80 ±0.50	16.00 ±0.40	16.40 ±0.30
C	11.40 ±0.25	11.40 ±0.25	11.40 ±0.25	11.40 ±0.25	11.40 ±0.25	11.40 ±0.25	11.40 ±0.25	20.00 ±0.30	20.00 ±0.30
D1	21.40 min.	21.40 min.	21.40 min.	21.80 min.	21.20 min.	21.80 min.	21.20 min.	26.00 ±0.40	26.00 ±0.40
D2	19.10 min.	19.10 min.	19.10 min.	19.95 min.	18.90 min.	19.95 min.	19.50 min.	19.45 ref.	
E	9.90 ±0.25	9.90 ±0.25	9.90 ±0.25	9.90 ±0.25	9.90 ±0.25	9.90 ±0.25	9.90 ±0.25	11.00 ±0.20	11.00 ±0.20
F	5.20 ^{+0.25} _{-0.00}	6.10 ^{+0.25} _{-0.00}	12.80 ^{+0.50} _{-0.00}	19.30 ±0.50	19.30 ±0.50	25.00 ±0.50	25.00 ^{+0.60} _{-0.50}	10.60 ±0.40	11.00 ±0.40

C1(mm ⁻¹)	0.542	0.596	0.611	0.758	0.733	0.900	0.871	0.396	0.404
Le(mm)	43.9	48.3	49.5	63.4	63.0	74.8	74.4	43.2	44.0
Ae(mm ²)	81.0	81.0	81.0	83.6	86.0	83.1	85.4	109.0	109.0
Ve(mm ³)	3556	3910	4010	5300	5410	6220	6360	4740	4796
Ac(mm ²)	77	102	77	77	77	77	77	95	95
AW(mm ²)	60.0	74.1	77.9	120.0	114.0	155.0	148.0	79.5	80.0
W(g/set)	19.0	20.6	21.6	27.8	28.9	33.2	32.9	27.1	258.0

Al value	PL-7	3850	3500	3430	2700	2730	2400	2400	5700	5280
	PL-9	4813	4375	4150	3150	3200	2700	2700	6700	6600
	PL-11	4010	3646	3600	2800	2800	2500	2500	5900	5500
	PL-13	5130	4660	4420	3360	3410	2880	2880	7140	7040
	PL-15	4010	3646	3600	2800	2800	2500	2500	5900	5500
Core loss	PL-7	1.96	2.15	2.21	2.92	2.98	3.42	3.50	2.61	2.64
	PL-9	1.78	1.96	2.01	2.65	2.71	3.11	3.18	2.37	2.40
	PL-11	1.78	1.96	2.01	2.65	2.71	3.11	3.18	2.37	2.40
	PL-13	1.71	1.88	1.92	2.54	2.60	2.99	3.05	2.28	2.30
	PL-15	1.60	1.76	1.80	2.39	2.43	2.80	2.86	2.13	2.16

EER CORES



Part No.		EER3019NA	EER3024N	EER3032S	EER3119N
Type		EER - (a)	EER - (b)	EER - (c)	EER - (d)
Dimensions in mm	A	30.30 ±0.50	30.00 ±0.50	29.80 ±0.80	31.50 ±0.50
	B	19.20 ±0.30	23.80 ±0.40	31.60 ±0.60	19.00 ±0.30
	C	20.30 ±0.30	20.30 ±0.30	9.50 ±0.30	20.30 ±0.30
	D1	25.70 ±0.40	25.40 ±0.40	22.70 ±0.70	26.90 ±0.40
	D2	21.50 ref.	19.00 ref.	21.40 ref.	20.00 min.
	E	13.30 ±0.20	13.30 ±0.30	9.50 ±0.30	13.30 ±0.20
	F	13.20 ±0.40	18.20 ±0.40	22.00 ±0.60	13.60 ±0.30

Core Set Parameters	C1(mm ⁻¹)	0.428	0.381	0.928	0.421
	Le(mm)	55.9	52.2	70.7	53.3
	Ae(mm ²)	130.7	137.0	76.2	126.6
	Ve(mm ³)	7306	7151	5390	6714
	Ac(mm ²)	138.9	138.9	70.9	138.9
	Aw(mm ²)	81.8	114.7	145.0	92.5
	W(g/set)	38.0	41.4	28.3	36.2

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	4500	5500	2300	5500
		PL-9	5625	6400	2750	6875
		PL-11	4688	5700	2400	5729
		PL-13	6000	6820	2930	7330
		PL-15	4688	5700	2400	5729
	Core loss	PL-7	4.02	3.93	2.96	3.69
		PL-9	3.65	3.58	2.70	3.36
		PL-11	3.65	3.58	2.70	3.36
		PL-13	3.51	3.43	2.59	3.22
		PL-15	3.29	3.22	2.43	3.02

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) 100kHz, 100mT, at 100°C
- 2) 25kHz, 200mT, at 100°C

2) AL value

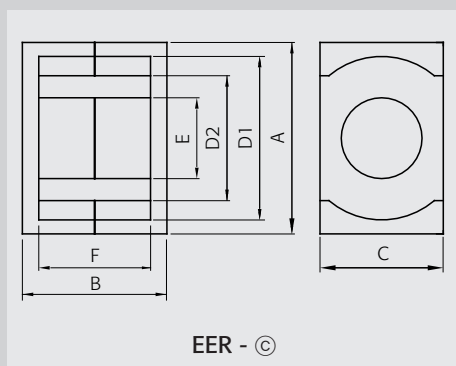
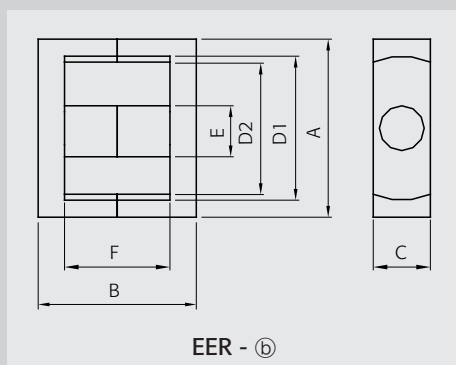
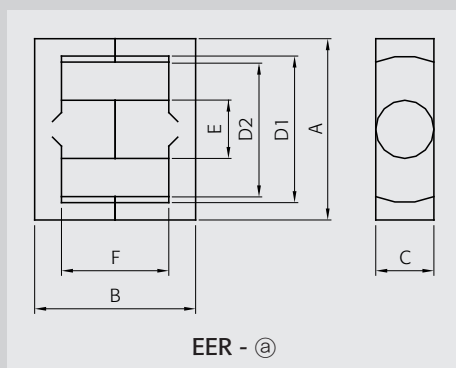
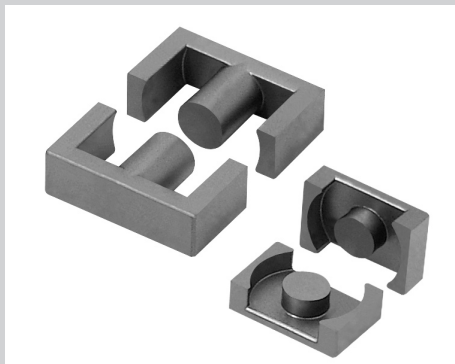
- Unit : nH/N²
- Measuring conditions : 1 kHz, 0.1V, 23°C
- Tolerance : ±25%

	EER3121N	EER3124N	EER3124NS	EER3124S	EER3220S	EER3334S	EER3335S	EER3426S	EER3435S
	EER - ㉔	EER - ㉔	EER - ㉔	EER - ㉔	EER - ㉔	EER - ㉔	EER - ㉔	EER - ㉔	EER - ㉔
A	31.50 ±0.50	31.50 ±0.50	31.50 ±0.50	31.00 ±0.50	32.00 ±0.50	33.00 ±0.50	33.00 ±0.50	34.20 ±0.80	34.20 ±0.80
B	20.80 ±0.30	23.80 ±0.30	24.40 ±0.30	23.80 ±0.30	20.50 ±0.40	17.00 ±0.30	34.60 ±0.60	26.00 ±0.40	34.60 ±0.40
C	20.30 ±0.30	20.30 ±0.30	20.30 ±0.30	12.30 ±0.30	11.40 ±0.25	13.80 ±0.25	13.80 ±0.25	10.80 ±0.30	10.80 ±0.30
D1	26.90 ±0.40	26.90 ±0.40	26.90 ±0.40	23.60 ±0.50	25.50 ±0.50	25.00 ±0.50	25.00 ±0.50	26.30 ±0.70	26.30 ±0.70
D2	20.00 min.	20.00 min.	20.00 min.		23.50 min.	22.00 ref.	22.00 ref.	24.15 min.	24.15 min.
E	13.30 ±0.20	13.30 ±0.20	13.30 ±0.20	11.00 ±0.25	9.90 ±0.25	12.50 ±0.25	12.50 ±0.25	10.80 ±0.30	10.80 ±0.30
F	15.40 ±0.30	18.40 ±0.30	18.40 ±0.30	14.90 ±0.30	11.70 ±0.40	12.50 ±0.25	25.60 ±0.50	15.60 ±0.60	24.20 ±0.80

C1(mm ⁻¹)	0.447	0.489	0.474	0.584	0.612	0.664	0.626	0.629	0.814
Le(mm)	56.9	62.8	63.8	57.2	53.1	78.4	78.3	61.9	79.0
Ae(mm ²)	127.4	128.6	134.5	97.9	86.8	118.1	125.0	98.4	97.0
Ve(mm ³)	7240	8070	8580	5600	4610	9250	9810	6080	7660
Ac(mm ²)	138.9	138.9	138.9	95	91.3	122.7	123	91.6	91.6
Aw(mm ²)	104.7	125.1	125.1	93.9	77.0	156.3	160.0	120.0	187.0
W(g/set)	38.0	41.5	42.0	30.1	25.3	48.9	50.0	32.0	38.8

Al value	PL-7	4500	4500	4500	3400	2720	3900	3400	3000	2500
	PL-9	5600	5620	5630	3900	3400	4875	4050	3600	3000
	PL-11	4700	4650	4700	3500	2830	4063	3500	3100	2600
	PL-13	6000	5950	6000	4160	3600	5200	4320	3840	3200
	PL-15	5600	4650	4700	3500	2830	4063	3500	3100	2600
Core loss	PL-7	3.98	4.44	4.72	3.08	2.54	5.09	5.40	3.34	4.21
	PL-9	3.62	4.04	4.29	2.80	2.31	4.63	4.91	3.04	3.83
	PL-11	3.62	4.04	4.29	2.80	2.31	4.63	4.91	3.04	3.83
	PL-13	3.48	3.87	4.12	2.69	2.21	4.44	4.71	2.92	3.68
	PL-15	3.26	3.63	3.86	2.52	2.07	4.16	4.41	2.74	3.45

EER CORES



Part No.		EER3526S	EER3530S	EER3534S	EER3540S
Type		EER - (a)	EER - (a)	EER - (a)	EER - (a)
Dimensions in mm	A	35.00 ±0.70	35.00 ±0.70	35.00 ±0.70	35.00 ±0.70
	B	26.60 ±0.40	30.00 ±0.40	34.00 ±0.40	40.60 ±0.50
	C	11.30 ±0.40	11.30 ±0.40	11.30 ±0.40	11.30 ±0.40
	D1	25.30 min.	25.30 min.	25.60 min.	25.60 min.
	D2	23.85 min.	23.85 min.	23.85 min.	23.85 min.
	E	11.30 ±0.30	11.30 ±0.30	11.30 ±0.30	11.30 ±0.30
	F	16.60 ±0.50	20.00 ±0.60	22.00 ±0.40	29.60 ±0.80

Core Set Parameters	C1(mm ⁻¹)	0.593	0.657	0.695	0.813
	Le(mm)	63.5	70.3	77.1	88.6
	Ae(mm ²)	107.0	107.0	111.0	109.0
	Ve(mm ³)	6795	7550	8557	9657
	Ac(mm ²)	100.3	100.3	100.3	100.3
	Aw(mm ²)	122.0	147.0	169.0	219.0
	W(g/set)	35.0	38.8	42.0	50.0

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	3600	3000	3000	2600
		PL-9	4200	3600	3500	3000
		PL-11	3800	3100	3100	2700
		PL-13	4480	3840	3730	3200
		PL-15	3800	3100	3100	2700
	Core loss	PL-7	3.74	4.15	4.71	5.31
		PL-9	3.40	3.78	4.28	4.83
		PL-11	3.40	3.78	4.28	4.83
		PL-13	3.26	3.62	4.11	4.64
		PL-15	3.06	3.40	3.85	4.35

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) 100kHz, 100mT, at 100°C
- 2) 25kHz, 200mT, at 100°C

2) AL value

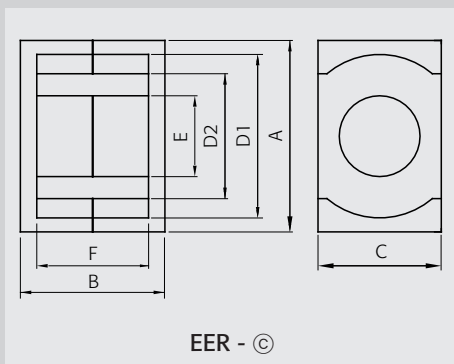
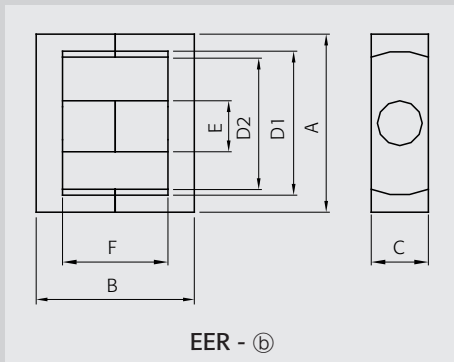
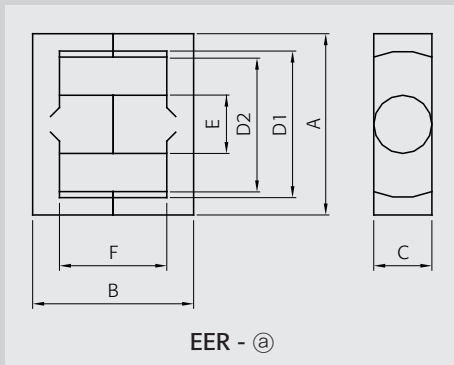
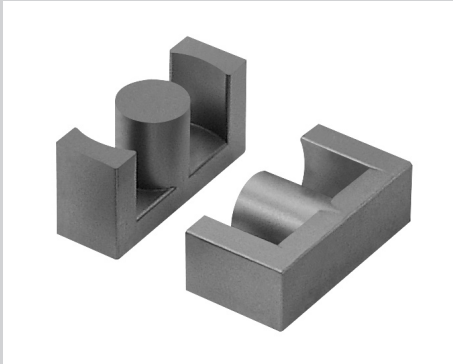
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%

	EER3541S	EER3542S	EER3543S	EER3543N	EER3543NC	EER3544S	EER3638S	EER3934S	EER3936S
	EER - (a)	EER - (a)	EER - (a)	EER - (a)	EER - (a)	EER - (a)	EER - (a)	EER - (a)	EER - (a)
A	35.00 ±0.70	35.00 ±0.70	35.00 ±0.70	35.20 ±0.70	35.20 ±0.70	35.00 ±0.70	36.00 ±0.60	39.10 ±0.90	39.10 ±0.90
B	41.80 ±0.50	42.80 ±0.50	43.30 ±0.50	21.85 ±0.25	21.85 ±0.25	44.40 ±0.60	38.00 ±0.50	33.60 ±0.40	35.60 ±0.40
C	11.30 ±0.40	11.30 ±0.40	11.30 ±0.40	11.30 ±0.40	11.30 ±0.40	11.30 ±0.40	11.30 ±0.40	12.50 ±0.30	12.50 ±0.30
D1	25.60 min.	25.60 min.	25.60 min.	26.70 ±0.70	26.50 min.	25.60 min.	26.50 min.	30.10 ±0.80	30.10 ±0.80
D2	23.85 min.	23.85 min.	23.85 min.	25.00 ref.	25.00 min.	24.60 ref.	24.50 ref.	28.30 min.	28.30 min.
E	11.30 ±0.30	11.30 ±0.30	11.30 ±0.30	11.30 ±0.30	11.30 ±0.30	11.30 ±0.30	11.30 ±0.30	12.50 ±0.30	12.50 ±0.30
F	29.80 ±0.60	30.80 ±0.60	31.30 ±0.50	15.85 ±0.25	15.85 ±0.25	32.00 ±0.60	26.00 ±0.50	23.20 ±0.80	25.20 ±0.80

C1(mm ⁻¹)	0.835	0.853	0.852	0.876	0.903	0.875	0.792	0.642	0.677
Le(mm)	91.0	93.0	94.6	95.1	95.3	95.4	83.9	80.3	84.6
Ae(mm ²)	109.0	109.0	111.0	108.5	105.5	109.0	106.0	125.0	125.0
Ve(mm ³)	9960	10160	10501	10318	10055	10399	8893	10038	10570
Ac(mm ²)	100.3	100.3	100.3	100.3	100.3	100.3	100.3	122.7	123
Aw(mm ²)	223.0	230.0	235.0	244.1	253.6	236.8	204.1	204.0	221.0
W(g/set)	52.0	53.0	54.0	53.0	50.7	54.0	48.8	50.0	53.0

Al value	PL-7	2600	2500	2500	2060	2060	2400	2700	2800	3100
	PL-9	3050	3000	2900	2575	2575	2800	3100	3200	3650
	PL-11	2700	2600	2600	2146	2146	2500	2800	2900	3200
	PL-13	3250	3200	3090	2740	2740	2980	3300	3410	3890
	PL-15	2700	2600	2600	2146	2146	2500	2800	2900	3200
Core loss	PL-7	5.48	5.59	5.78	5.67	5.53	5.72	4.89	5.52	5.81
	PL-9	4.98	5.08	5.25	5.16	5.03	5.20	4.45	5.02	5.29
	PL-11	4.98	5.08	5.25	5.16	5.03	5.20	4.45	5.02	5.29
	PL-13	4.78	4.88	5.04	4.95	4.83	4.99	4.27	4.82	5.07
	PL-15	4.48	4.57	4.73	4.64	4.52	4.68	4.00	4.52	4.76

EER CORES



Part No.		EER3940S	EER3941S	EER3942S	EER3944S
Type		EER - (a)	EER - (a)	EER - (a)	EER - (a)
Dimensions in mm	A	39.10 ±0.90	39.10 ±0.90	39.10 ±0.90	39.10 ±0.90
	B	39.60 ±0.40	20.50 ±0.20	42.00 ±0.40	44.60 ±0.40
	C	12.50 ±0.30	12.50 ±0.30	12.50 ±0.30	12.50 ±0.30
	D1	30.10 ±0.80	30.10 ±0.80	30.10 ±0.80	30.10 ±0.80
	D2	28.30 min.	28.30 min.	28.30 min.	28.30 min.
	E	12.50 ±0.30	12.50 ±0.30	12.50 ±0.30	12.50 ±0.30
	F	29.20 ±0.80	15.30 ±0.40	31.60 ±0.80	34.20 ±0.80

Core Set Parameters	C1(mm ⁻¹)	0.747	0.760	0.785	0.818
	Le(mm)	92.6	95.0	97.4	102.2
	Ae(mm ²)	124.0	125.0	124.0	125.0
	Ve(mm ³)	11560	11875	12150	12780
	Ac(mm ²)	123	123	123	122.7
	Aw(mm ²)	256.0	269.3	278.0	301.0
	W(g/set)	57.0	60.0	61.0	63.0

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	2900	2780	2700	2600
		PL-9	3400	3475	3200	3000
		PL-11	3000	2896	2800	2700
		PL-13	3620	3700	3410	3200
		PL-15	3000	2896	2800	2700
	Core loss	PL-7	6.36	6.53	6.68	7.03
		PL-9	5.78	5.94	6.08	6.39
		PL-11	5.78	5.94	6.08	6.39
		PL-13	5.55	5.70	5.83	6.13
		PL-15	5.20	5.34	5.47	5.75

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) 100kHz, 100mT, at 100°C
- 2) 25kHz, 200mT, at 100°C

2) AL value

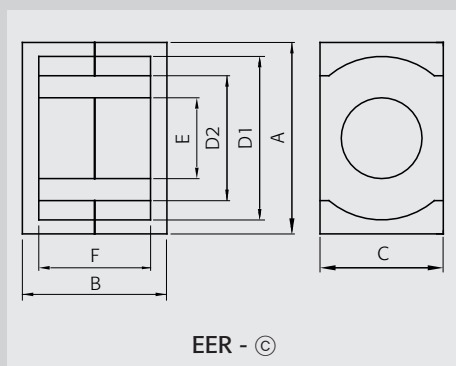
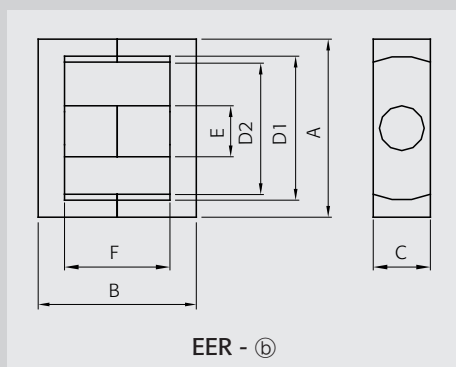
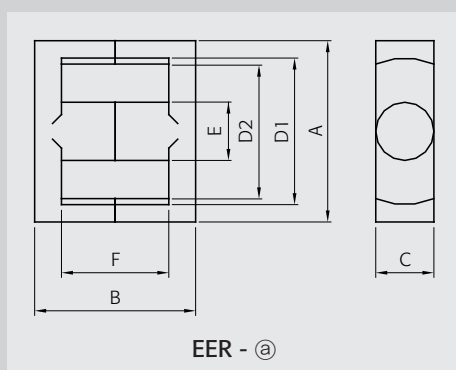
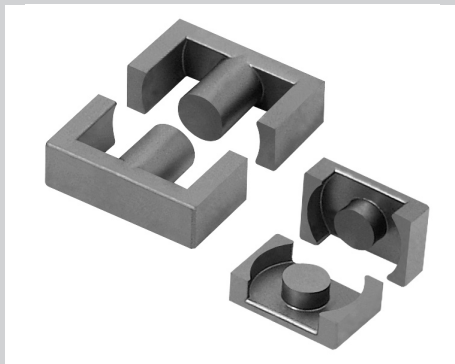
- Unit : nH/N²
- Measuring conditions : 1 kHz, 0.1V, 23°C
- Tolerance : ±25%

	EER4042S	EER4045S	EER4045SD	EER4214S	EER4232S	EER4233S	EER4242B	EER4242KF	EER4242S
	EER - (b)	EER - (a)	EER - (b)	EER - (a)	EER - (b)	EER - (b)	EER - (a)	EER - (b)	EER - (b)
A	40.00 ^{+0.80} _{-0.50}	40.00 ±0.80	40.00 ^{+0.80} _{-0.50}	42.15 ±0.85	42.00 ^{+0.80} _{-0.50}	42.00 ^{+0.80} _{-0.50}	42.00 ±0.60	42.65 ±0.65	42.00 ^{+0.80} _{-0.50}
B	42.60 ±0.40	44.80 ±0.40	45.00 ±0.40	43.20 ±0.40	32.40 ±0.40	16.60 ±0.20	42.80 ±0.60	43.40 ±0.40	42.40 ±0.40
C	15.00 ±0.20	13.30 ±0.25	15.00 ±0.20	14.70 ±0.30	19.60 ±0.40	19.60 ±0.40	15.20 ±0.30	20.00 ^{+0.00} _{-0.80}	20.00 ^{+0.00} _{-0.80}
D1	30.70 min.	29.00 min.	30.70 min.	31.00 ±0.60	32.30 ±0.50	32.30 ±0.50	31.00 ±0.60	32.80 ±0.50	32.30 ±0.50
D2	29.00 min.		28.70 min.					27.40 min.	27.30 ref.
E	14.00 ±0.25	13.30 ±0.25	14.00 ±0.25	14.70 ±0.30	17.30 ±0.25	17.30 ±0.25	15.20 ±0.30	17.30 ±0.25	17.30 ±0.25
F	30.60 ±0.40	30.80 ±0.60	33.00 ±0.40	31.90 ±0.70	20.50 ±0.50	10.60 ±0.25	30.80 ±0.80	31.20 ±0.50	30.00 ^{+1.00} _{-0.50}

C1(mm ⁻¹)	0.609	0.645	0.643	0.574	0.349	0.356	0.530	0.415	0.406
Le(mm)	96.3	97.4	101.0	98.8	81.4	83.0	96.9	98.0	95.1
Ae(mm ²)	158.0	151.0	157.0	172.0	233.0	233.0	183.0	236.0	234.0
Ve(mm ³)	15230	14790	15950	17090	18966	19339	17790	23128	22280
Ac(mm ²)	154	139	154	170	234.9	235	181	234.9	235
Aw(mm ²)	265.0	254.0	286.0	259.0	158.9	159.0	243.0	242.0	228.0
W(g/set)	78.0	78.0	82.0	87.0	92.0	94.0	90.0	116.0	115.0

Al value	PL-7	3600	3300	3400	3800	6300	5800	4000	5000	5000
	PL-9	4200	3900	3950	4500	7300	7250	4700	5800	5800
	PL-11	3800	3400	3500	4000	6600	6042	4200	5200	5200
	PL-13	4480	4160	4210	4800	7780	7730	5010	6180	6180
	PL-15	3800	3400	3500	4000	6600	6042	4200	5200	5200
Core loss	PL-7	8.38	8.13	8.77	9.40	10.43	10.64	9.78	12.72	12.25
	PL-9	7.62	7.40	7.98	8.55	9.48	9.67	8.90	11.56	11.14
	PL-11	7.62	7.40	7.98	8.55	9.48	9.67	8.90	11.56	11.14
	PL-13	7.31	7.10	7.66	8.20	9.10	9.28	8.54	11.10	10.69
	PL-15	6.85	6.66	7.18	7.69	8.53	8.70	8.01	10.41	10.03

EER CORES



Part No.		EER4243S	EER4244S	EER4245S	EER4245W
Type		EER - (a)	EER - (b)	EER - (a)	EER - (a)
Dimensions in mm	A	42.00 ±0.60	42.00 ^{+0.80} _{-0.50}	42.00 ±0.50	42.00 ±0.60
	B	43.80 ±0.60	44.00 ±0.40	44.60 ±0.60	44.80 ±0.40
	C	15.20 ±0.30	19.40 ±0.30	15.20 ±0.30	15.50 ±0.30
	D1	31.00 ±0.60	32.60 ±0.50	31.00 ±0.50	29.40 min.
	D2				
	E	15.20 ±0.30	17.00 ±0.25	15.20 ±0.30	15.50 ±0.30
	F	31.80 ±0.60	2.20 ±0.60	32.60 ±0.60	30.80 ±0.60

Core Set Parameters	C1(mm ⁻¹)	0.537	0.442	0.546	0.484
	Le(mm)	98.3	100.0	100.0	97.3
	Ae(mm ²)	183.0	226.0	183.0	201.0
	Ve(mm ³)	17990	22600	18450	19620
	Ac(mm ²)	181.5	226.9	181	189
	Aw(mm ²)	259.2	325.6	257.0	223.0
	W(g/set)	90.0	99.0	94.0	100.0

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	4000	4800	3900	4400
		PL-9	4700	5500	4600	5150
		PL-11	4200	5000	4100	4600
		PL-13	5010	5860	4900	5490
		PL-15	4200	5000	4100	4600
	Core loss	PL-7	9.89	12.43	10.15	10.79
		PL-9	9.00	11.30	9.23	9.81
		PL-11	9.00	11.30	9.23	9.81
		PL-13	8.64	10.85	8.86	9.42
		PL-15	8.10	10.17	8.30	8.83

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) 100kHz, 100mT, at 100°C
- 2) 25kHz, 200mT, at 100°C

2) AL value

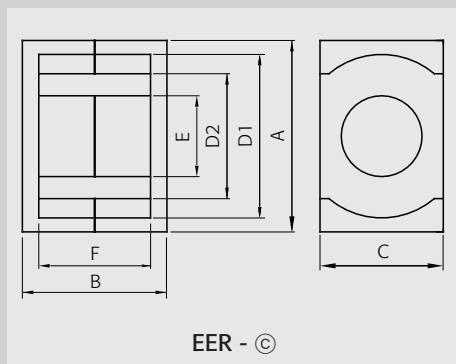
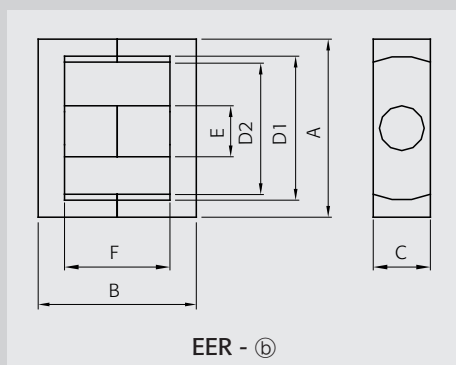
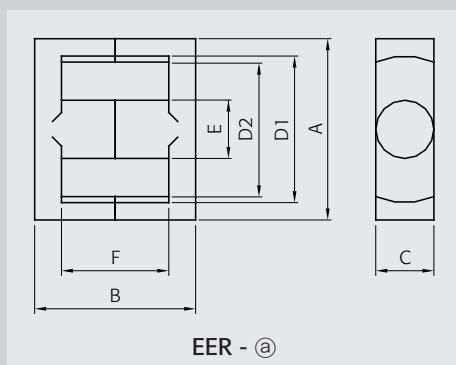
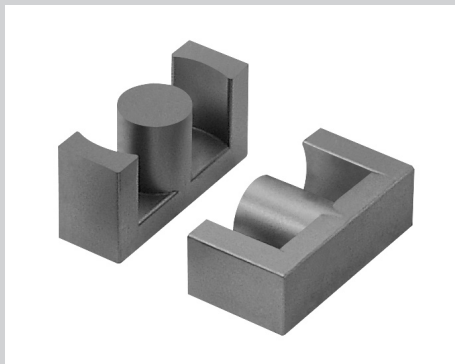
- Unit : nH/N²
- Measuring conditions : 1 kHz, 0.1V, 23°C
- Tolerance : ±25%

	EER4249S	EER4445S	EER4535S	EER4836S	EER4936S	EER4942S	EER4943S	EER4950S	EER4954S
	EER - ⑥	EER - ②	EER - ②	EER - ②	EER - ②	EER - ②	EER - ②	EER - ②	EER - ②
A	42.00 ±0.80	44.00 ±1.00	45.00 ±1.00	48.00 ±1.00	49.00 ^{+0.70} _{-0.50}	49.00 ^{+0.70} _{-0.50}	49.00 ^{+0.70} _{-0.50}	48.70 ±1.00	49.00 ±0.80
B	49.40 ±0.40	44.60 ±0.40	35.00 ±0.40	36.00 ±0.40	36.00 ±0.40	42.00 ^{+1.00} _{-0.20}	43.10 ±0.60	49.40 ±0.40	54.00 ±0.40
C	19.60 ±0.40	14.80 ±0.40	17.60 ±0.40	17.60 ±0.40	17.20 ^{+0.20} _{-0.40}	17.20 ^{+0.20} _{-0.40}	17.20 ^{+0.20} _{-0.40}	16.30 ±0.40	17.20 ±0.30
D1	32.30 ±0.80	33.30 ±0.80	33.80 ±0.80	36.80 ±0.80	36.60 min.	36.60 min.	36.60 min.	37.00 ±0.90	36.40 min.
D2				33.60 ref.	33.20 min.	33.20 min.	33.20 min.	33.15 min.	33.20 min.
E	17.30 ±0.35	14.80 ±0.40	17.60 ±0.40	17.60 ±0.40	17.20 ^{+0.20} _{-0.40}	17.20 ^{+0.20} _{-0.40}	17.20 ^{+0.20} _{-0.40}	16.30 ±0.40	17.20 ±0.25
F	37.60 ±0.60	33.00 ±0.80	21.90 ±0.50	22.40 ^{+0.50} _{-0.00}	22.80 ±0.40	28.80 ^{+0.80} _{-0.00}	29.90 ±0.40	36.20 ±0.80	37.00 ±0.40

C1(mm ⁻¹)	0.470	0.601	0.350	0.374	0.384	0.441	0.448	0.540	0.490
Le(mm)	109.0	104.0	81.2	86.3	87.2	100.0	101.7	114.0	118.0
Ae(mm ²)	232.0	173.0	232.0	231.0	227.0	227.0	227.0	211.0	241.0
Ve(mm ³)	25400	17910	18880	19990	19800	22770	23086	24140	28460
Ac(mm ²)	235	172	243	243	230	230	230	209	232
Aw(mm ²)	282.0	305.0	177.0	219.0	195.0	293.0	297.1	374.0	370.0
W(g/set)	129.0	90.0	97.0	103.0	100.0	117.0	119.0	125.0	147.0

Al value	PL-7	4350	3400	5800	5600	5500	5000	4700	4000	4500
	PL-9	5100	4000	6750	6500	6400	5800	5500	4750	5300
	PL-11	4500	3500	6000	5800	5700	5200	4900	4200	4700
	PL-13	5440	4260	7200	6930	6820	6180	5860	5060	5650
	PL-15	4500	3500	6000	5800	5700	5200	4900	4200	4700
Core loss	PL-7	13.97	9.85	10.38	10.99	10.89	12.52	12.70	13.28	15.65
	PL-9	12.70	8.96	9.44	10.00	9.90	11.39	11.54	12.07	14.23
	PL-11	12.70	8.96	9.44	10.00	9.90	11.39	11.54	12.07	14.23
	PL-13	12.19	8.60	9.06	9.60	9.50	10.93	11.08	11.59	13.66
	PL-15	11.43	8.06	8.50	9.00	8.91	10.25	10.39	10.86	12.81

EER CORES



Part No.		EER5345S	EER5428S	EER5455S	EER6062S
Type		EER - (b)	EER - (b)	EER - (a)	EER - (a)
Dimensions in mm	A	53.20 ^{+0.80} _{-0.50}	54.00 ±1.00	54.50 ±1.30	59.80 ±1.30
	B	46.40 ±0.60	14.25 ±0.20	55.20 ±0.40	62.00 ±0.40
	C	21.50 ±0.30	26.15 ±0.40	18.90 ±0.40	21.65 ±0.45
	D1	38.70 min.	43.85 ±0.80	41.20 ±1.10	44.70 ±1.10
	D2			36.20 min.	40.15 ref.
	E	20.00 ^{+0.20} _{-0.30}	19.85 ±0.40	18.90 ±0.40	21.65 ±0.45
	F	32.60 ±0.60	7.45 ±0.20	40.40 ±0.80	45.00 ±0.80

Core Set Parameters	C1(mm ⁻¹)	0.340	0.219	0.455	0.384
	Le(mm)	108.0	68.3	127.0	141.0
	Ae(mm ²)	318	311.01	279	367
	Ve(mm ³)	34350	21226	35620	51630
	Ac(mm ²)	313	309	281	368
	Aw(mm ²)	316	176.4	450	518
	W(g/set)	178	136	176	257

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	6200	9600	4800	5400
		PL-9	7300	12000	5800	6500
		PL-11	6500	10000	5000	5500
		PL-13	7780	12790	6180	6930
		PL-15	6500	10000	5000	5500
	Core loss	PL-7	18.89	11.67	19.59	6.20 ²⁾
		PL-9	17.18	10.61	17.81	4.50 ¹⁾
		PL-11	17.18	10.61	17.81	4.50 ¹⁾
		PL-13	16.49	10.19	17.10	4.50 ¹⁾
		PL-15	15.46	9.55	16.03	4.20 ¹⁾

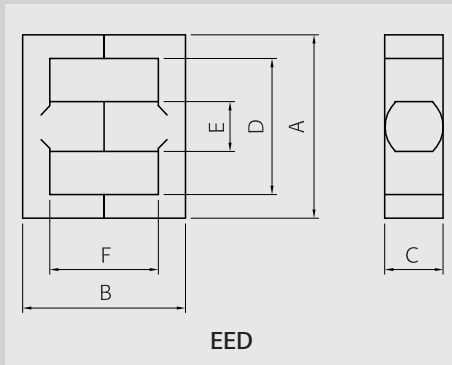
Note : 1) Core Loss

- 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) 100kHz, 100mT, at 100°C
- 2) 25kHz, 200mT, at 100°C

2) AL value

- Unit : nH/N²
- Measuring conditions : 1 kHz, 0.1V, 23°C
- Tolerance : ±25%

EED CORES



Part No.		EED2818S	EED2820S	EED2920S	EED2924S
Type		EED	EED	EED	EED
Dimensions in mm	A	28.00 ± 0.50	28.00 ± 0.50	29.30 ± 0.70	29.30 ± 0.70
	B	18.60 ± 0.30	20.40 ± 0.30	20.40 ± 0.50	24.40 ± 0.50
	C	11.90 ± 0.15	11.90 ± 0.15	11.60 ± 0.20	11.60 ± 0.20
	D	20.30 min.	20.30 min.	22.10 $^{+0.70}_{-0.50}$	22.10 $^{+0.70}_{-0.50}$
	E	8.50 ± 0.15	8.50 ± 0.15	8.40 ± 0.20	8.40 ± 0.20
	F	11.40 ± 0.30	13.20 ± 0.30	13.20 ± 0.40	17.20 ± 0.40

Core Set Parameters	C1(mm ⁻¹)	0.545	0.586	0.617	0.712
	Le(mm)	46.9	50.5	51.9	59.9
	Ae(mm ²)	86.1	86.1	84.0	84.1
	Ve(mm ³)	4038	4350	4360	5030
	Ac(mm ²)	101.2	101.2	97.4	97.4
	AW(mm ²)	75.3	81.1	90.7	118.0
	W(g/set)	20.8	22.2	21.8	24.9

Electrical Characteristics ⁽¹⁾⁽²⁾	Al value	PL-7	3700	3000	3200	2800
		PL-9	4300	3400	3650	3200
		PL-11	3900	3100	3300	2900
		PL-13	4600	3600	3900	3400
		PL-15	3900	3100	3300	2900
	Core loss	PL-7	2.22	2.39	2.40	2.77
		PL-9	2.02	2.18	2.18	2.52
		PL-11	2.02	2.18	2.18	2.52
		PL-13	1.94	2.09	2.09	2.41
		PL-15	1.82	1.96	1.96	2.26

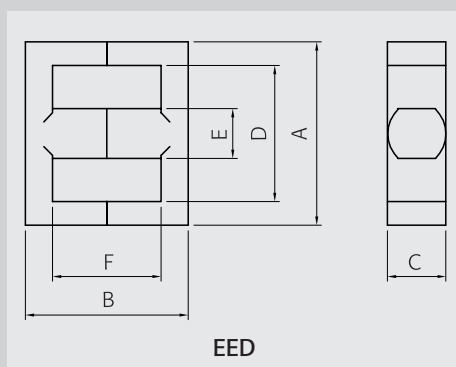
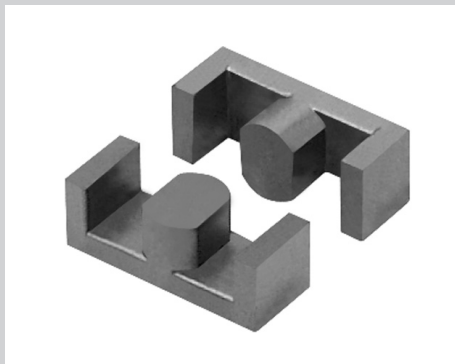
Note : 1) Core loss

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

2) Al value

- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : $\pm 25\%$

EED CORES



Part No.		EED2929S	EED4018S	EED4025S	EED4029S
Type		EED	EED	EED	EED
Dimensions in mm	A	29.30 ±0.70	40.80 ±0.50	40.80 ±0.50	40.80 ±0.50
	B	29.20 ±0.50	9.10 ±0.30	12.50 ±0.30	14.50 ±0.30
	C	11.60 ±0.20	21.90 ^{+0.20} _{-0.30}	21.90 ^{+0.20} _{-0.30}	21.90 ^{+0.20} _{-0.30}
	D	22.10 ^{+0.70} _{-0.50}	30.80 ±0.50	30.80 ±0.50	30.80 ±0.50
	E	8.40 ±0.20	11.00 ±0.30	11.00 ±0.30	11.00 ±0.30
	F	22.00 ±0.40	5.30 ±0.20	8.70 ±0.20	10.70 ±0.20

Core Set Parameters	C1(mm ⁻¹)	0.826	0.282	0.352	0.394
	Le(mm)	69.5	54.2	67.8	75.8
	Ae(mm ²)	84.1	192.4	192.4	192.4
	Ve(mm ³)	5850	10420	13044	14580
	Ac(mm ²)	97.4	218.8	218.8	218.8
	Aw(mm ²)	151.0	104.9	172.3	211.9
	W(g/set)	29	55	69	78

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	2100	7000	6400	5200
		PL-9	2400	8600	7900	6500
		PL-11	2200	7200	6590	5400
		PL-13	2600	9200	8400	6900
		PL-15	2200	7200	6590	5400
	Core loss	PL-7	3.22	5.73	7.17	8.02
		PL-9	2.93	5.21	6.52	7.29
		PL-11	2.93	5.21	6.52	7.29
		PL-13	2.81	5.00	6.26	7.00
		PL-15	2.63	4.69	5.87	6.56

Note : 1) Core loss

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

2) AL value

- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%