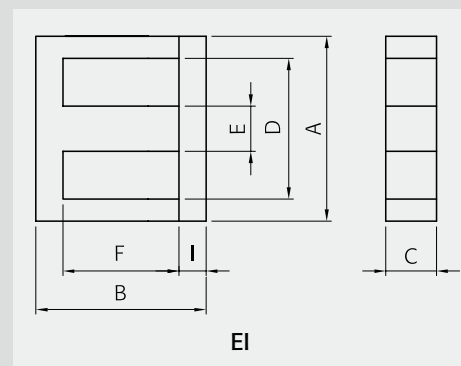
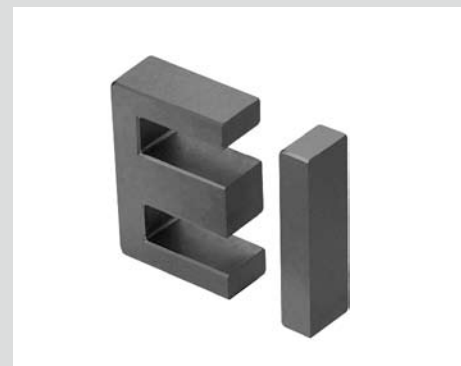


# EI CORES



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 <sup>+0.10</sup> / <sub>-0.20</sub>	4.80 ±0.20	5.10 <sup>+0.00</sup> / <sub>-0.50</sub>	5.00 ±0.20
	D	9.20 <sup>+0.50</sup> / <sub>-0.30</sub>	11.80 min.	14.00 ±0.30	14.30 min.
	E	2.50 <sup>+0.10</sup> / <sub>-0.20</sub>	4.00 ±0.20	5.10 <sup>+0.00</sup> / <sub>-0.50</sub>	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	EI1309S	EI1614S	EI1916S	EI2016S
C1(mm <sup>-1</sup> )	1.378	1.900	1.681	1.650
Le(mm)	21.2	35.9	39.2	39.6
Ae(mm <sup>2</sup> )	15.3	18.8	23.3	24.0
Ve(mm <sup>3</sup> )	325	676	913	950
Ac(mm <sup>2</sup> )	12.1	19.2	23.5	22.8
Aw(mm <sup>2</sup> )	16.7	43.7	51.6	56.6
W(g/set)	1.9	3.5	4.5	4.9

Electrical Characteristics <sup>(1)(2)</sup>	Al value	Part No.			
		EI1309S	EI1614S	EI1916S	EI2016S
Core loss	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
	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
- <sup>1)</sup> 100kHz, 100mT, at 100°C
- <sup>2)</sup> 25kHz, 200mT, at 100°C

2) Al value

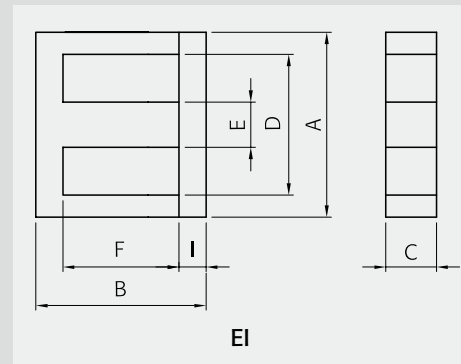
- Unit : nH/N<sup>2</sup>
- Measuring conditions : 1kHz, 0.1V, 23°C
- Tolerance : ±25%

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

Core Set Parameters	EI2218S	EI2418S	EI2519S	EI2820S	EI3026S	EI3329S	EI3530A	EI3530S	EI4035S
C1(mm <sup>-1</sup> )	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 <sup>2</sup> )	37.0	57.2	39.7	84.4	109.0	118.0	102.0	122.0	147.0
Ve(mm <sup>3</sup> )	1570	2621	1900	4170	6440	7640	6880	8350	11390
Ac(mm <sup>2</sup> )	33.0	57.9	43.8	77.0	113.0	123.0	100.0	118.0	135.0
Aw(mm <sup>2</sup> )	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

Electrical Characteristics <sup>(1)(2)</sup>	Al value	Part No.								
		EI2218S	EI2418S	EI2519S	EI2820S	EI3026S	EI3329S	EI3530A	EI3530S	EI4035S
Core loss	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
	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 <sup>+0.70</sup> <sub>-0.50</sub>	60.00 <sup>+1.00</sup> <sub>-0.50</sub>	70.00 ±1.20
	B	42.00 <sup>+0.80</sup> <sub>-0.20</sub>	44.40 <sup>+0.80</sup> <sub>-0.20</sub>	64.40 ±0.25
	C	15.00 <sup>+0.00</sup> <sub>-0.70</sub>	15.80 <sup>+0.00</sup> <sub>-0.80</sub>	31.60 ±0.50
	D	34.50 <sup>+1.00</sup> <sub>-0.00</sub>	44.50 min.	46.30 min.
	E	15.00 <sup>+0.00</sup> <sub>-0.70</sub>	15.80 <sup>+0.00</sup> <sub>-0.80</sub>	22.20 ±0.50
	F	24.50 <sup>+0.60</sup> <sub>-0.00</sub>	27.50 <sup>+0.70</sup> <sub>-0.00</sub>	42.80 ±0.25
	I	9.00 ±0.25	8.50 ±0.25	10.40 ±0.50

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

Electrical Characteristics <sup>(1)(2)</sup>	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 <sup>2)</sup>	14.82	10.00 <sup>2)</sup>
		PL-9	1.56 <sup>2)</sup>	13.48	9.00 <sup>2)</sup>
		PL-11	1.56 <sup>2)</sup>	13.48	9.00 <sup>2)</sup>
		PL-13	1.56 <sup>2)</sup>	12.94	9.00 <sup>2)</sup>
		PL-15	1.40 <sup>2)</sup>	12.13	8.10 <sup>2)</sup>

**Note :** 1) Core Loss

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

2) Al value

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