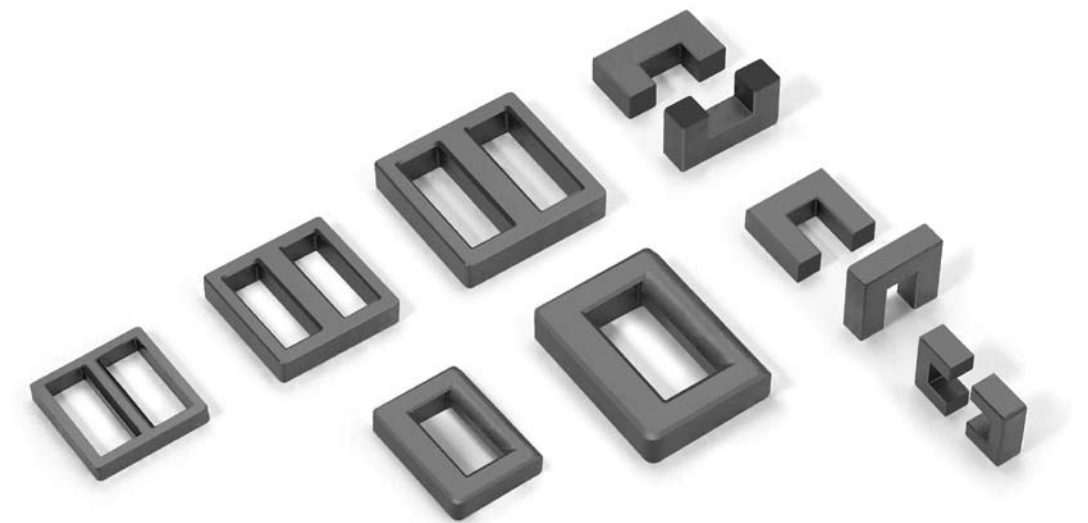




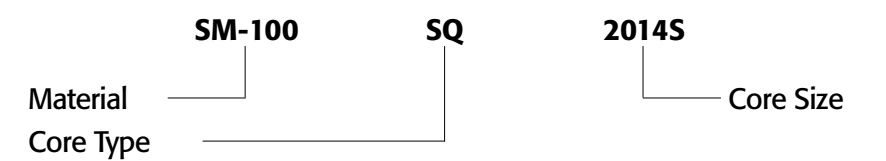
SQ, SQE, UU CORES

SQ17~SQ40

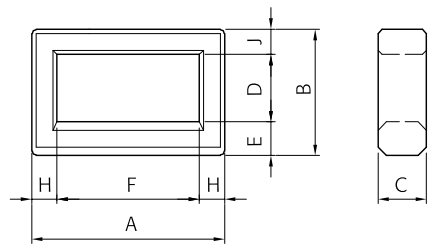
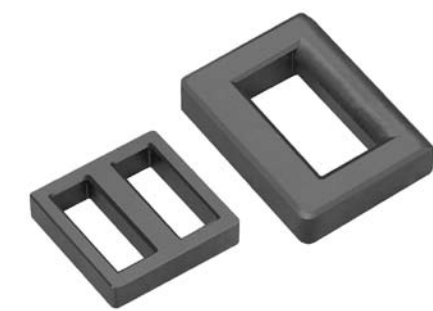
SQE20~SQE35

UU10~UU93

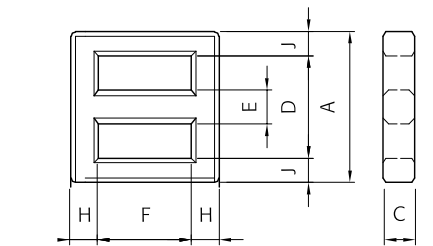
Ordering Code System



SQ, SQE CORES



SQ



SQE

Part No.		SQ1715S	SQ2014S	SQ2115S	SQ2116S
Type		SQ	SQ	SQ	SQ
Dimensions in mm	A	17.60 ±0.20	20.60 ±0.30	21.50 ±0.30	21.50 ±0.20
	B	15.00 ±0.20	14.10 ±0.25	14.90 ±0.20	15.80 ±0.25
	C	3.60 ±0.20	4.60 ±0.20	3.70 ±0.15	4.60 ^{+0.00} _{-0.20}
	D	4.55 ±0.20	7.25 min.	6.65 min.	7.00 ±0.20
	E	3.75 ±0.15	4.20 ±0.20	4.30 ±0.15	4.40 ±0.20
	F		15.70 min.	15.40 min.	15.30 ±0.20
	H	3.00 ±0.15	2.30 ±0.15	2.90 ±0.15	3.10 ±0.15
	J		2.40 ±0.15	3.70 ±0.15	

Core Set Parameters	C1(mm ⁻¹)	3.220	4.410	4.350	2.780
	Le(mm)	45.8	53.1	55.1	55.0
	Ae(mm²)	14.2	12.0	12.6	19.8
	Ve(mm³)	651	639	698	1088
	Ac(mm²)				
	Aw(mm²)	52.8	120.0	108.0	107.1
	W(g/set)	3.2	3.7	3.6	4.8

Electrical Characteristics	AL value	SM-50	1950	1400	1430	2260
		SM-60	2340	1710	1730	2710
		SM-70S	2930	2100	2150	3390
		SM-100	3900	2800	2870	4520
		SM-120	4700	3400	3400	5400

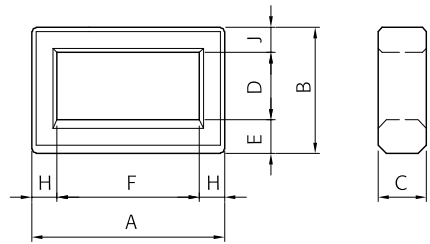
Note : 1) AL value
 - Unit : nH/N²
 - Measuring conditions : 1kHz, 0.1V, 100Ts, at 23℃
 - Tolerance : ±25% (SM-100, SM-120 : ±30%)

	SQ2215S	SQ4030S	SQE2020S	SQE2215S	SQE2222S	SQE2424S	SQE2626S	SQE2828S	SQE2930S
	SQ	SQ	SQE	SQE	SQE	SQE	SQE	SQE	SQE
A	21.50 ±0.30	40.70 ±0.40	20.10 ±0.40	21.50 ±0.30	23.50 ±0.30	24.20 ±0.50	26.00 ^{+0.40} _{-0.20}	28.45 ±0.55	29.00 ±0.40
B	14.90 ±0.20	30.80 ±0.40	20.10 ±0.40	14.90 ±0.20	22.00 ±0.30	24.20 ±0.50	26.00 ^{+0.40} _{-0.20}	28.45 ±0.55	30.00 ±0.40
C	4.50 ±0.20	8.70 ±0.30	4.40 ±0.20	4.50 ±0.20	3.80 ±0.20	4.00 ±0.30	4.50 ^{+0.10} _{-0.20}	5.00 ±0.30	5.00 ±0.30
D	7.60 min.	13.10 min.	15.70 min.	7.60 min.	19.40 ±0.20	19.00 min.	21.00 ^{+0.30} _{-0.20}	22.20 min.	22.60 min.
E	4.20 ±0.20	8.70 ±0.30	4.00 ±0.20	4.20 ±0.20	3.80 ±0.20	4.00 ±0.30	4.50 ±0.20	5.00 ±0.20	5.00 ±0.25
F	15.90 min.	26.60 min.	15.70 min.	15.90 min.	17.60 ±0.20	19.00 min.	21.00 ^{+0.30} _{-0.20}	22.20 min.	23.60 min.
H	2.65 ±0.15	6.90 ±0.20	2.00 ±0.20	2.65 ±0.15	2.20 ±0.15	2.40 ±0.15	2.50 ±0.15	2.90 ±0.15	3.00 ±0.20
J	2.80 ±0.20	8.60 ±0.25	2.00 ±0.20	2.80	2.05 ±0.15	2.40 ±0.15	2.50 ±0.15	2.90 ±0.15	3.00 ±0.20

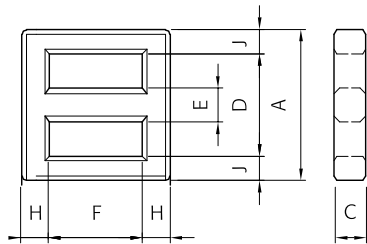
C1(mm ⁻¹)	4.190	1.557	2.930	4.160	3.700	3.460	3.120	2.670	2.700
Le(mm)	56.2	104.0	50.5	56.1	57.2	60.8	66.0	71.1	74.3
Ae(mm²)	13.4	67.1	17.2	13.5	15.5	17.5	21.1	26.6	27.5
Ve(mm³)	754	7010	871	757	884	1060	1395	1890	2050
Ac(mm²)			17.6	18.9	14.4	16.0	20.3	25.0	25.0
Aw(mm²)	127.0	363.0	97.4	31.0	144.0	149.0	173.3	199.0	216.0
W(g/set)	4.1	35.3	4.3	4.2	4.3	5.4	6.8	10.0	10.5

AL value	SM-50	1450	3950	2150	1510	1700	1800	2010	2350	2350
	SM-60	1800	4840	2570	1810	2040	2180	2420	2820	2790
	SM-70S	2200	5800	3200	2270	2550	2700	3020	3600	3500
	SM-100	2900	7900	4300	3020	3400	3600	4030	4700	4650
	SM-120	3500	9500	5200	3600	4100	4300	4800	5600	5600

SQE CORES



SQ



SQE

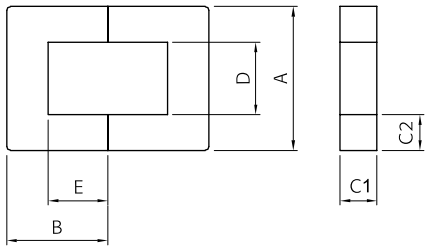
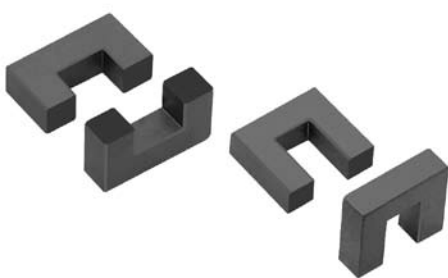
Part No. SQE3535N		
Type	SQE	
Dimensions in mm	A	35.30 ±0.60
	B	35.30 ±0.60
	C	7.50 ±0.30
	D	26.80 min.
	E	7.50 ±0.30
	F	26.80 min.
	H	4.00 ±0.20
	J	4.00 ±0.20

Core Set Parameters	C1(mm ⁻¹)	1.494
	Le(mm)	86.6
	Ae(mm²)	57.9
	Ve(mm³)	5020
	Ac(mm²)	56.2
	Aw(mm²)	270.0
	W(g/set)	25.0

Electrical Characteristics	AL value	SM-50	4200
		SM-60	5050
		SM-70S	6300
		SM-100	8400
		SM-120	10100

Note : 1) AL value
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 100Ts, at 23℃
- Tolerance : ±25% (SM-100, SM-120 : ±30%)

UU CORES



UU

Part No.		UU1014S	UU1015S	UU1116S	UU1320S
Type		UU	UU	UU	UU
Dimensions in mm	A	9.80 ±0.20	10.15 ±0.20	10.50 ±0.30	13.50 ±0.30
	B	7.10 ±0.10	7.40 ±0.20	7.90 ±0.20	9.90 ^{+0.00} _{-0.40}
	C1	2.70 ±0.20	2.90 ^{+0.10} _{-0.15}	5.00 ±0.30	5.00 ^{+0.00} _{-0.40}
	C2	2.80 ±0.10	2.90 ±0.10	2.50 ±0.20	3.50 ^{+0.00} _{-0.25}
	D	4.20 ±0.20	4.35 ±0.20	5.50 ±0.30	6.50 ^{+0.50} _{-0.00}
	E	4.20 ±0.20	4.20 ^{+0.35} _{-0.00}	5.40 ±0.20	6.10 ^{+0.30} _{-0.00}

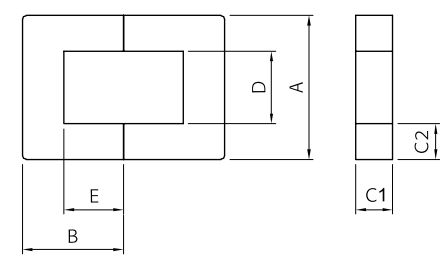
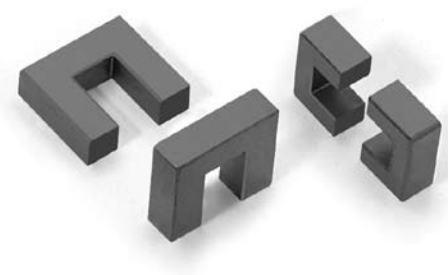
Core Set Parameters	C1(mm ⁻¹)	4.460	4.190	3.240	3.010
	Le(mm)	34.1	35.5	40.5	49.2
	Ae(mm²)	7.7	8.5	12.4	16.3
	Ve(mm³)	261	300	505	803
	Aw(mm²)	35.2	38.0	59.4	84.3
	W(g/set)	1.3	1.5	2.5	4.0

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	377	515	720	800
		PL-9	460	600	830	950
		PL-11	390	540	750	830
		PL-13	490	687	960	1060
		PL-15	390	540	750	830
		SM-50	770	830	1212	1400
		SM-60	920	996	1450	1680
		SM-70S	1180	1020	1550	1870
		SM-100	1210 min.	950 min.	1466 min.	1650 min.
	Core loss	PL-7	0.14	0.17	0.28	0.44
		PL-9	0.13	0.15	0.25	0.40
		PL-11	0.13	0.15	0.25	0.40
		PL-13	0.13	0.14	0.24	0.39
		PL-15	0.12	0.14	0.23	0.36

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

2) AL value
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23℃
- Tolerance : ±25%
- SM-100 : Non mirror grinding
1) 1kHz, 1V

UU CORES



UU

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

Core Set Parameters	C1(mm ⁻¹)	1.630	1.551	1.616	1.996
	Le(mm)	47.5	50.5	51.7	51.2
	Ae(mm²)	29.1	32.5	31.9	25.6
	Ve(mm³)	1380	1640	1650	1310
	Aw(mm²)	67.3	62.9	66.5	84.0
	W(g/set)	6.7	8.5	8.6	7.2

Electrical Characteristics ⁽¹⁾⁽²⁾		AL value	PL-7	1300	1400	1360	1135
			PL-9	1700	1620	1600	1400
			PL-11	1400	1500	1400	1200
			PL-13	1733	1867	1813	1500
			PL-15	1400	1500	1400	1200
			SM-50	2600	2700	2600	2200
			SM-60	3100	3240	3120	2580
			SM-70S	3500	3500	3400	2780
			SM-100	3100 min.	3200 min.	3100 min.	2550 min.
		Core loss	PL-7	0.76	0.90	0.91	0.72
			PL-9	0.69	0.82	0.83	0.66
			PL-11	0.69	0.82	0.83	0.66
			PL-13	0.66	0.79	0.79	0.63
			PL-15	0.62	0.74	0.74	0.59

Note :

1) Core loss

- Unit : Watt max.

- Measuring conditions

PL-7, PL-11, PL-15 : 100kHz, 200mT, at 100℃

PL-9, PL-13 : 100kHz, 200mT, at 80℃

1) 25kHz, 200mT, at 100℃

2) AL value

- Unit : nH/N²

- Measuring conditions : 1kHz, 0.1V, 23℃

- Tolerance : ±25%

- SM-100 : Non mirror grinding

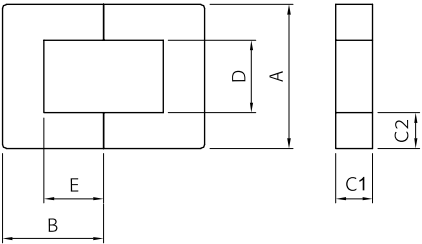
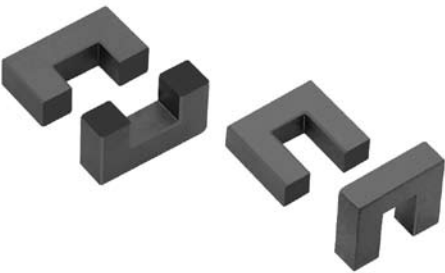
1) 1kHz, 1V

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

C1(mm ⁻¹)	2.140	2.15	1.270	1.270	1.366	1.469	1.510	0.62	1.88
Le(mm)	55.2	54.0	71.0	68.6	32.1	72.0	84.4	95.8	84.3
Ae(mm²)	25.7	25.1	55.8	54.0	23.6	49.0	55.8	155.3	44.8
Ve(mm³)	1420	1357	3962	3700	756	3520	4709	14878	3773
Aw(mm²)	98.0	113.1	178.5	104.0	166.4	154.0	214.8	368	238
W(g/set)	7.3	7.1	20.0	19.0	11.0	18.5	23.9	36.0	24.0

AL value	PL-7	1050	1000	1760	1760	1020	1530	1310	1370	1120
	PL-9	1200	1250	2060	2060	1280	1800	1640	1700	1400
	PL-11	1100	1050	1800	1800	1065	1600	1365	1420	1167
	PL-13	1400	1330	2347	2347	1365	2040	1740	1820	1493
	PL-15	1100	1050	1800	1800	1065	1600	1365	1420	1167
	SM-50	2100	2050	3650	3650	2130	3150	2735	2850	2333
	SM-60	2520	2450	4380	4380	2560	3780	3280	3420	2800
	SM-70S	2700	2700	4820	4700	3200	4200	4100	3800	3500 ¹⁾
	SM-100	2500 min.	2400 min.	4300 min.	4350 min.	2560 min.	3750 min.	3280 min.	3400 min.	2800 min.
Core loss	PL-7	0.78	0.75	2.18	2.04	0.42	1.94	2.59	8.20	2.2
	PL-9	0.71	0.68	1.98	1.85	0.38	1.76	2.35	7.50	2
	PL-11	0.71	0.68	1.98	1.85	0.38	1.76	2.35	7.50	2
	PL-13	0.68	0.65	1.90	1.78	0.36	1.69	2.26	7.40	1.90
	PL-15	0.64	0.61	1.78	1.67	0.34	1.58	2.12	7.00	1.85

UU CORES



UU

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

Core Set Parameters	C1(mm ⁻¹)	1.07	1.50	0.440	0.421
	Le(mm)	128.6	116.2	310	354
	Ae(mm²)	120.7	77.6	704	840
	Ve(mm³)	15522	9015	218240	297000
	Aw(mm²)	479.25	550	2992	3475
	W(g/set)	78.0	43.5	575	760

Electrical Characteristics ⁽¹⁾⁽²⁾	AL value	PL-7	2650	1280	6000	6400
		PL-9	3313	1600	7500	8000
		PL-11	2760	1333	6250	8500
		PL-13	3533	1707	8000	6600
		PL-15	2760	1333	6250	8500
		SM-50	5521	2667		
		SM-60	6625	3200		
		SM-70S	8281	4000 ¹⁾		
		SM-100	6500 min.	3200 min.		
	Core loss	PL-7	8.54	4.96	30 ¹⁾	40 ¹⁾
		PL-9	7.76	4.51	27 ¹⁾	36 ¹⁾
		PL-11	7.76	4.51	27 ¹⁾	36 ¹⁾
		PL-13	7.45	4.33	27 ¹⁾	36 ¹⁾
		PL-15	6.98	4.06	25 ¹⁾	33 ¹⁾

Note :

1) Core loss

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

2) AL value

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