



Features :

- ◆ Compact size using flat wire, and surface mounting type.
- ◆ Low radiation noise by magnetically shielded construction.
- ◆ Excellent solerability.
- ◆ High saturation current, Low DC resistance.
- ◆ Operating temperature: -40°C ~ +125°C.
- ◆ Storage temperature: -40°C ~ +80°C (Tape and tray packaging).
- ◆ RoHS, REACH compliant, Haloger free available.

Applications :

- ◆ Designed for high current powr supply applications.
- ◆ High efficiency DC/DC converters.
- ◆ Single and polyphase buck converters.
- ◆ Filter for audio applications.
- ◆ Optimized for high current boost applications.
- ◆ Laptops, Graphic cards, Motherboards, Industrial computers.

Product Identification :

SEH	8050	-	332	M	T		
Series name	External dimension L x W x T [mm]		Inductance Value		Inductance Tolerance		Packing
High current Flat wire Power inductor	8050	8.8x8.5x5.0	Code	Inductance value	Code	Tolerance	T ⇨ Tape & Reel B ⇨ Bulk with Trays
	8052	8.8x8.5x5.2	221	0.22 μH	J	±5%	
	1052	11.2x10.5x5.2	152	1.5 μH	K	±10%	
	1068	11.2x10.5x6.8	473	47 μH	L	±15%	
	1360	13.5x13.5x6.0	104	100 μH	M	±20%	
	1390	13.5x13.5x9.0					
	1480	14.5x14.5x8.0					
	1412	14.5x14.5x12.0					
	2009	19.2x18.7x8.64					
	2010	19.2x18.7x9.4					
	2011	19.2x18.7x10.67					
	2012	19.2x18.7x11.94					
	2013	19.2x18.7x12.95					
	2014	19.2x18.7x13.97					
	0905	9.65x10.2x5.2					
	1005	10.2x12.7x4.85					
	1205	12.5x12.7x5.6					
	1208	12.5x12.7x8.3					
	2508	25.8x28.0x8.9					
	4211	41.5x25.7x11.0					

Dimensions & Shape : [mm]

Series	Shape	A	B	C	D	E	F	G	H	J	K
SEH8050	Fig. 1	8.5 max	8.8 max	5.0 max	3.0±0.3	1.8±0.2	1.3±0.2	1.8 ref	4.75 ref	1.65 ref	
SEH8052	Fig. 1	8.5 max	8.8 max	5.2 max	3.0±0.3	1.8±0.2	1.3±0.2	1.8 ref	4.75 ref	1.65 ref	
SEH1052	Fig. 1	10.5 max	11.2 max	5.2 max	3.0±0.3	2.5±0.2	1.4±0.2	1.75 ref	6.80 ref	1.20 ref	
SEH1068	Fig. 1	10.5 max	11.2 max	6.8 max	3.0±0.3	2.5±0.2	1.4±0.2	1.75 ref	6.80 ref	1.20 ref	
SEH1360	Fig. 1	13.5 max	13.5 max	6.0 max	4.05±0.3	2.5±0.2	2.5±0.2	2.00 ref	8.80 ref	1.80 ref	
SEH1390	Fig. 1	13.5 max	13.5 max	9.0 max	4.05±0.3	2.5±0.2	2.5±0.2	2.00 ref	8.80 ref	1.80 ref	
SEH1480	Fig. 1	15.0 max	15.0 max	8.0 max	6.60±0.3	2.5±0.2	2.0±0.2	1.80 ref	11.20 ref	1.50 ref	
SEH1412	Fig. 1	15.0 max	15.0 max	12.0 max	6.60±0.3	2.5±0.2	2.0±0.2	1.80 ref	11.20 ref	1.50 ref	
SEH2009	Fig. 2	19.2±0.5	18.7±0.9	8.64 max	7.9±0.4	2.5±0.1	3.30 ref	3.18 ref	13.1±0.4	2.54 ref	9.30 ref
SEH2010	Fig. 2	19.2±0.5	18.7±0.9	9.40 max	7.9±0.4	2.5±0.1	3.30 ref	3.18 ref	13.1±0.4	2.54 ref	9.30 ref
SEH2011	Fig. 2	19.2±0.5	18.7±0.9	10.67 max	7.9±0.4	2.5±0.1	3.30 ref	3.18 ref	13.1±0.4	2.54 ref	9.30 ref
SEH2012	Fig. 2	19.2±0.5	18.7±0.9	11.94 max	7.9±0.4	2.5±0.1	3.30 ref	3.18 ref	13.1±0.4	2.54 ref	9.30 ref
SEH2013	Fig. 2	19.2±0.5	18.7±0.9	12.95 max	7.9±0.4	2.5±0.1	3.30 ref	3.18 ref	13.1±0.4	2.54 ref	9.30 ref
SEH2014	Fig. 2	19.2±0.5	18.7±0.9	13.97 max	7.9±0.4	2.5±0.1	3.30 ref	3.18 ref	13.1±0.4	2.54 ref	9.30 ref
SEH0905	Fig. 3	9.65 max	10.2 max	5.2 max	2.54±0.5	1.8±0.1		1.70 ref			5.00 ref
SEH1005	Fig. 4	10.2 max	12.7 max	4.85 max	3.80±0.5	1.8±0.1		2.00 ref			7.80 ref
SEH1205	Fig. 4	12.5 max	12.7 max	5.60 max	5.85±0.5	1.8±0.1		1.70 ref			9.00 ref
SEH1208	Fig. 4	12.5 max	12.7 max	8.30 max	5.85±0.5	1.8±0.1		1.70 ref			9.00 ref
SEH2508	Fig. 5	25.4 max	27.8 max	8.90 max	11.5±0.5	5.0±0.1		4.00 ref			18.1 ref
SEH4211	Fig. 6	26.2 max	42.5 max	11.0 max	8.5±0.5	5.0±0.1		4.00 ref	35.5±0.5		25.4 ref

Recommended Pad Layout : [mm]

Series	Shape	a	b	c	d	e	f	g
SEH8050	Fig. 1	2.10	4.30	2.55	2.50	2.20	2.00	
SEH8052	Fig. 1	2.10	4.30	2.55	2.50	2.20	2.00	
SEH1052	Fig. 1	2.00	5.50	3.50	2.80	2.50	2.50	
SEH1068	Fig. 1	2.00	5.50	3.50	2.80	2.50	2.50	
SEH1360	Fig. 1	4.00	8.40	3.00	2.50	2.50	3.00	
SEH1390	Fig. 1	4.00	8.40	3.00	2.50	2.50	3.00	
SEH1480	Fig. 1	5.50	10.10	3.60	3.00	2.50	3.00	
SEH1412	Fig. 1	5.50	10.10	3.60	3.00	2.50	3.00	
SEH2009	Fig. 2	6.60	11.90	3.80	4.70	4.10	7.40	5.30
SEH2010	Fig. 2	6.60	11.90	3.80	4.70	4.10	7.40	5.30
SEH2011	Fig. 2	6.60	11.90	3.80	4.70	4.10	7.40	5.30
SEH2012	Fig. 2	6.60	11.90	3.80	4.70	4.10	7.40	5.30
SEH2013	Fig. 2	6.60	11.90	3.80	4.70	4.10	7.40	5.30
SEH2014	Fig. 2	6.60	11.90	3.80	4.70	4.10	7.40	5.30
SEH0905	Fig. 3	2.15		2.20	2.20			4.35
SEH1005	Fig. 4	3.40		2.20	2.20			5.60
SEH1205	Fig. 4	5.75		2.20	2.20			6.60
SEH1208	Fig. 4	5.75		2.20	2.20			6.60
SEH2508	Fig. 5	10.30		6.00	6.00			12.00
SEH4211	Fig. 6	6.90		6.60	6.60			12.00

Dimensions & Shape : [mm]

PAD LAYOUT

Figure 1 ⇒ SEH8050 / SEH8052 / SEH1050 / SEH1068 / SEH1360 / SEH1390 / SEH1480 / SEH1412

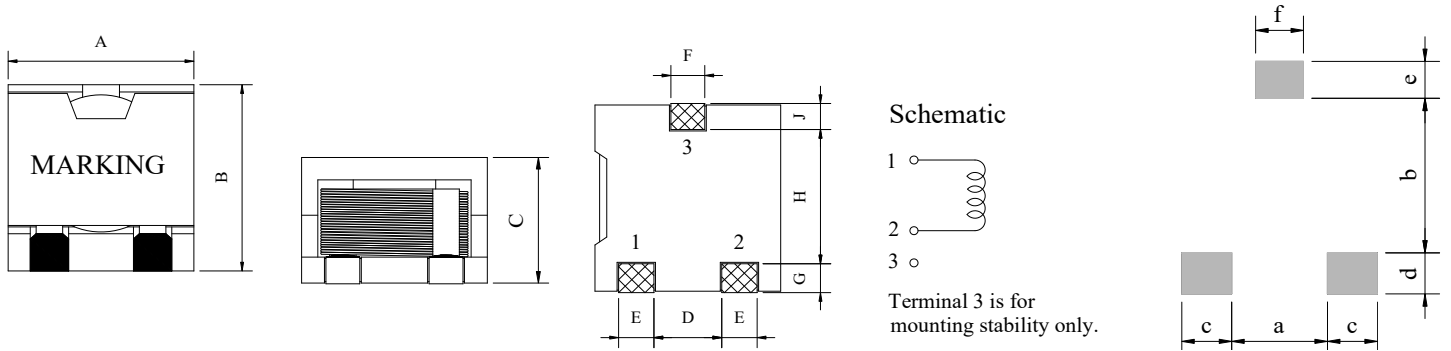


Figure 2 ⇒ SEH2009 / SEH2010 / SEH2011 / SEH2012 / SEH2013 / SEH2014

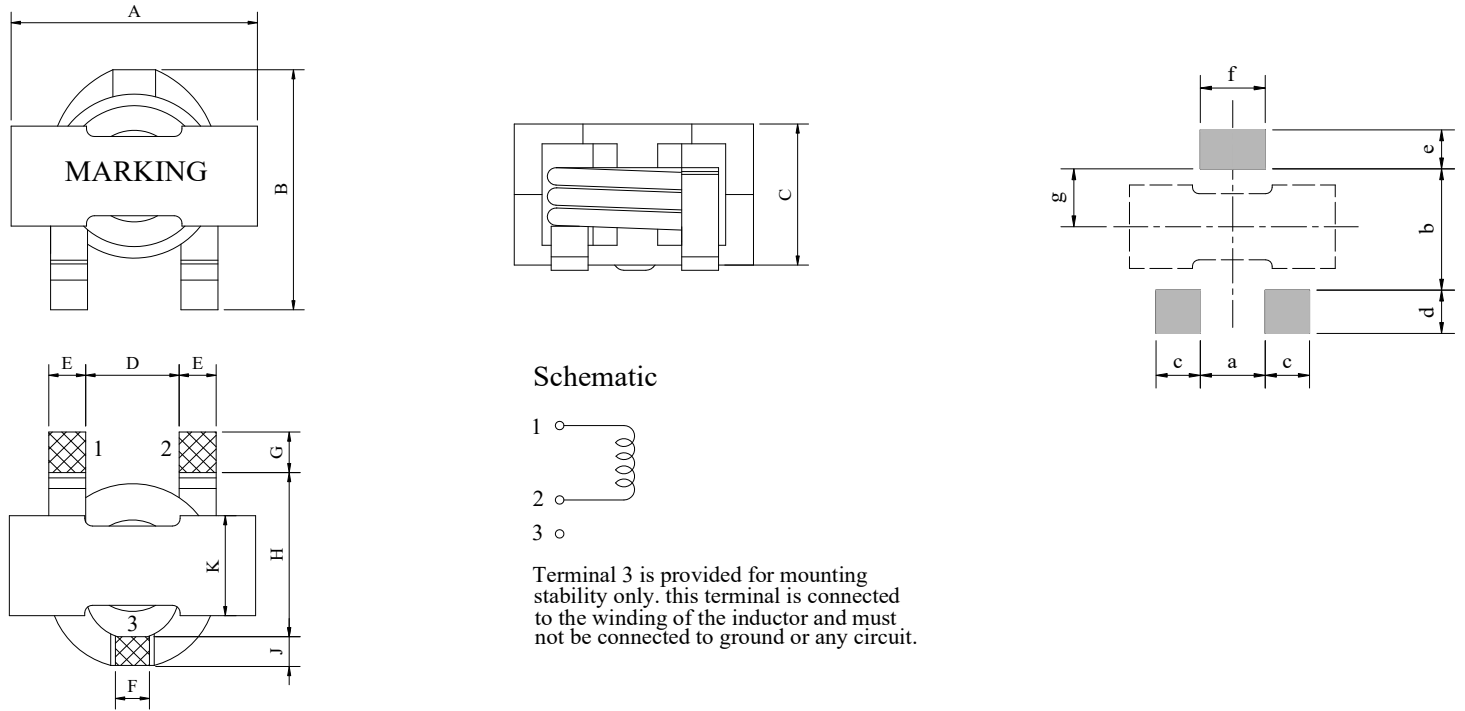
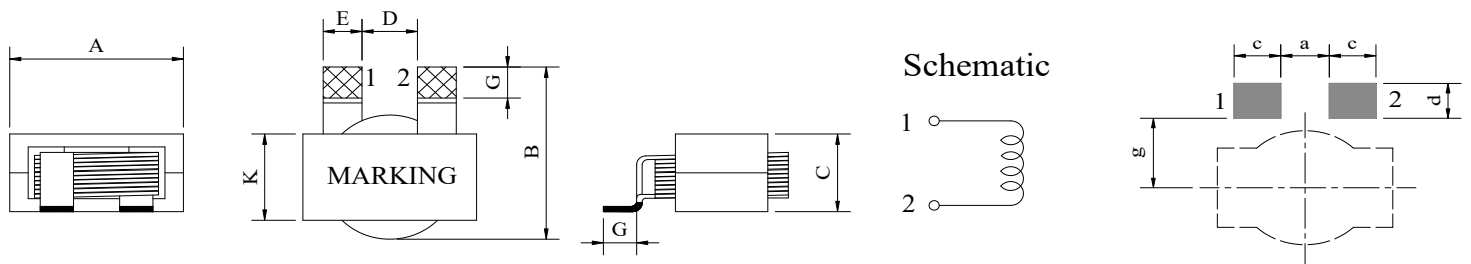


Figure 3 ⇒ SEH0905



Dimensions & Shape : [mm]

PAD LAYOUT

Figure 4 ⇒ SEH1005 / SEH1205 / SEH1208

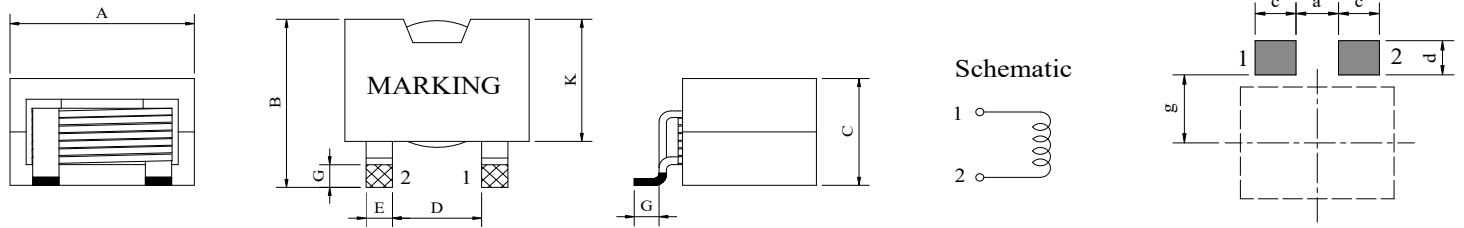


Figure 5 ⇒ SEH2508

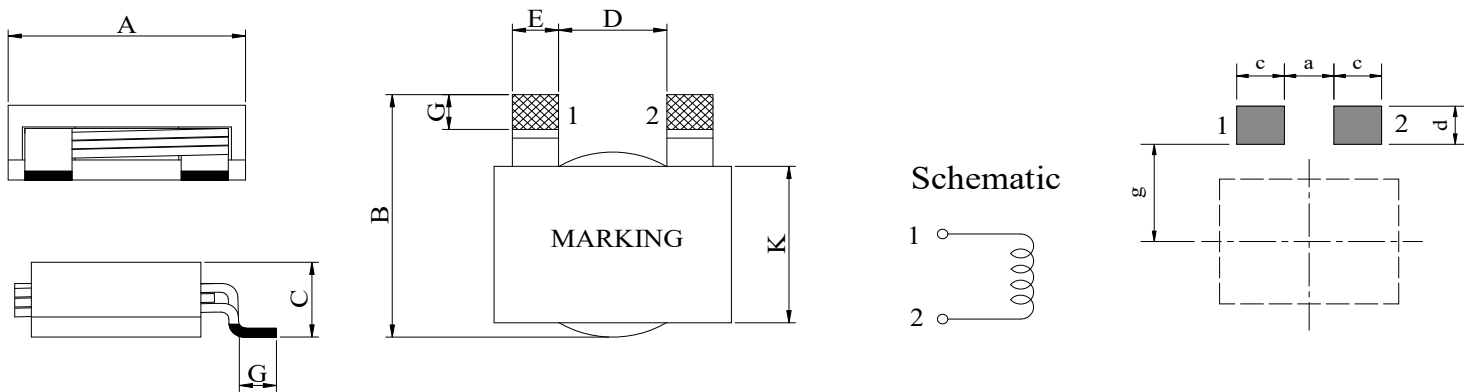
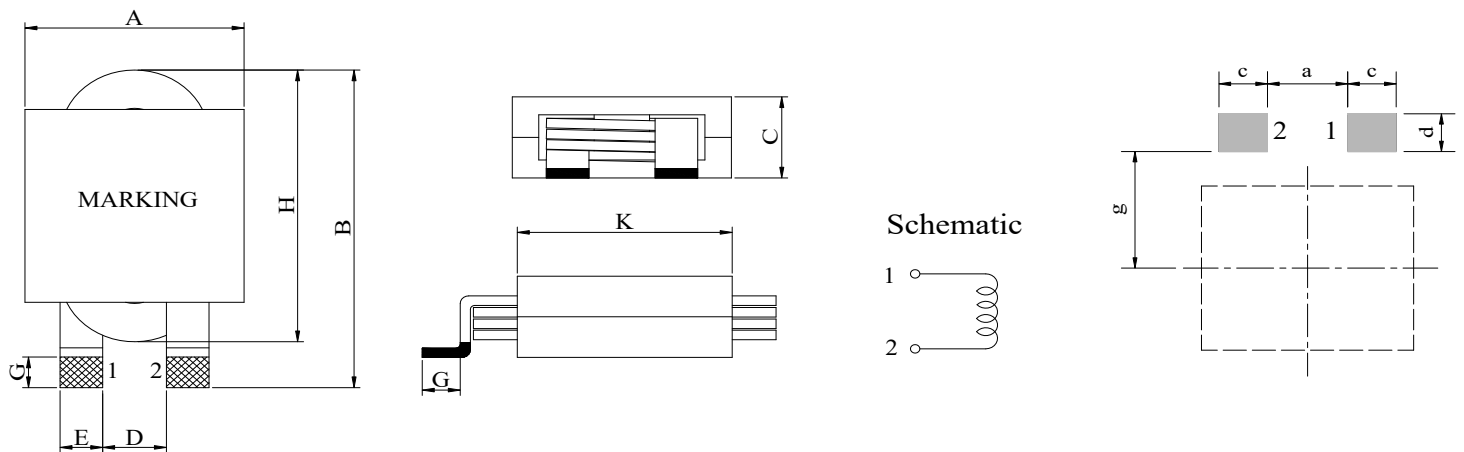


Figure 6 ⇒ SEH4211



Electronial Characteristics :

SEH8050 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH8050-201MT	0.20 \pm 20%	2.5	2.2	53.5	13.5
SEH8050-451MT	0.45 \pm 20%	3.5	3.2	31.1	12.0
SEH8050-501MT	0.50 \pm 20%	2.5	2.2	22.7	13.5
SEH8050-801MT	0.80 \pm 20%	5.9	5.4	25.2	10.8
SEH8050-112MT	1.1 \pm 20%	3.5	3.2	14.5	12.0
SEH8050-202MT	2.0 \pm 20%	5.9	5.4	9.8	10.8

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH8052 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH8052-122MT	1.2 \pm 20%	7.2	6.4	19.2	8.7
SEH8052-182MT	1.8 \pm 20%	9.5	8.6	14.9	7.9
SEH8052-242MT	2.4 \pm 20%	9.5	8.6	11.8	7.9
SEH8052-312MT	3.1 \pm 20%	7.2	6.4	8.0	8.7
SEH8052-332MT	3.3 \pm 20%	14.3	13.0	10.2	6.3
SEH8052-402MT	4.0 \pm 20%	14.3	13.0	8.2	6.3
SEH8052-452MT	4.5 \pm 20%	9.5	8.6	6.2	7.9
SEH8052-612MT	6.1 \pm 20%	9.5	8.6	4.6	7.9
SEH8052-802MT	8.0 \pm 20%	14.3	13.0	3.9	6.3
SEH8052-103MT	10.0 \pm 20%	14.3	13.0	3.1	6.3

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SEH1052 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SEH1052-801MT	0.8 \pm 20%	4.0	3.2	25.6	16.3
SEH1052-102MT	1.0 \pm 20%	4.0	3.2	17.5	16.3
SEH1052-122MT	1.2 \pm 20%	6.0	5.2	21.3	15.0
SEH1052-132MT	1.3 \pm 20%	4.0	3.2	17.2	16.3
SEH1052-152MT	1.5 \pm 20%	4.0	3.2	14.5	16.3
SEH1052-182MT	1.8 \pm 20%	6.0	5.2	14.3	15.0
SEH1052-202MT	2.0 \pm 20%	9.0	8.1	16.2	11.5
SEH1052-222MT	2.2 \pm 20%	4.0	3.2	10.0	16.3
SEH1052-252MT	2.5 \pm 20%	7.5	6.6	12.1	12.0
SEH1052-322MT	3.2 \pm 20%	6.0	5.2	8.5	15.0
SEH1052-402MT	4.0 \pm 20%	9.0	8.1	8.8	11.5
SEH1052-432MT	4.3 \pm 20%	7.5	6.6	7.0	12.0
SEH1052-572MT	5.7 \pm 20%	9.0	8.1	6.0	11.5

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.

2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.

5. Rated current: Isat or Irms, whichever is smaller.

SEH1068 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SEH1068-562MT	5.6 \pm 20%	10.5	9.3	10.5	8.5
SEH1068-682MT	6.8 \pm 20%	12.0	10.9	9.8	7.8
SEH1068-902MT	9.0 \pm 20%	16.0	14.5	9.1	6.6
SEH1068-103MT	10.0 \pm 20%	18.8	17.2	9.0	6.0
SEH1068-123MT	12.0 \pm 20%	21.0	19.3	7.2	5.2
SEH1068-153MT	15.0 \pm 20%	26.5	24.4	7.3	4.6
SEH1068-223MT	22.0 \pm 20%	40.0	36.8	5.2	4.0

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.

2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.

5. Rated current: Isat or Irms, whichever is smaller.

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Electronial Characteristics :

SEH1360 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH1360-102MT	1.0 \pm 20%	2.6	2.3	33.5	13.0
SEH1360-222MT	2.2 \pm 20%	2.6	2.3	18.0	13.0
SEH1360-272MT	2.7 \pm 20%	2.6	2.3	14.0	13.0
SEH1360-332MT	3.3 \pm 20%	6.0	5.5	13.5	9.4
SEH1360-472MT	4.7 \pm 20%	6.0	5.5	12.0	9.4
SEH1360-682MT	6.8 \pm 20%	6.0	5.5	9.5	9.4
SEH1360-822MT	8.2 \pm 20%	10.8	9.8	9.0	7.6
SEH1360-103KT	10.0 \pm 10%	10.8	9.8	7.5	7.6

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH1390 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH1390-103KT	10 \pm 10%	15.0	14.0	13.2	9.2
SEH1390-153KT	15 \pm 10%	15.0	14.0	8.70	9.2
SEH1390-223KT	22 \pm 10%	23.0	21	7.40	7.7
SEH1390-333KT	33 \pm 10%	23.0	21.0	4.80	7.7
SEH1390-473KT	47 \pm 10%	23.0	21.0	3.20	7.7

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

Electronial Characteristics :

SEH1480 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SEH1480-501MT	0.5 \pm 20%	1.2	1.0	43.0	23.0
SEH1480-102MT	1.0 \pm 20%	1.2	1.0	29.2	23.0
SEH1480-222MT	2.2 \pm 20%	2.0	1.8	21.8	20.0
SEH1480-332MT	3.3 \pm 20%	3.3	3.0	18.0	17.5
SEH1480-472KT	4.7 \pm 10%	5.0	4.0	15.0	16.0
SEH1480-682KT	6.8 \pm 10%	6.5	5.4	12.8	12.5
SEH1480-822KT	8.2 \pm 10%	7.8	6.4	10.7	11.0
SEH1480-103KT	10 \pm 10%	9.8	8.5	10.2	10.0
SEH1480-123KT	12 \pm 10%	13.0	10.6	9.20	8.50

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH1412 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SEH1412-103KT	10 \pm 10%	7.98	6.7	13.5	10.1
SEH1412-123KT	12 \pm 10%	9.42	7.9	12.5	9.7
SEH1412-153KT	15 \pm 10%	10.8	9.0	11.6	9.1
SEH1412-183KT	18 \pm 10%	12.6	10.5	10.5	8.4
SEH1412-223KT	22 \pm 10%	15.2	12.7	9.4	7.8
SEH1412-333KT	33 \pm 10%	17.9	14.9	8.6	7.1
SEH1412-473KT	47 \pm 10%	17.9	14.9	7.4	7.1

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SEH2009 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SEH2009-301MT	0.3 \pm 20%	0.74	0.63	>100	54
SEH2009-501MT	0.5 \pm 20%	0.74	0.63	78.0	54
SEH2009-601MT	0.6 \pm 20%	0.74	0.63	63.0	54
SEH2009-681MT	0.68 \pm 20%	0.74	0.63	55.0	54
SEH2009-801MT	0.8 \pm 20%	0.74	0.63	45.0	54
SEH2009-901MT	0.9 \pm 20%	0.74	0.63	43	54
SEH2009-102MT	1.0 \pm 20%	0.74	0.63	40.0	54
SEH2009-122MT	1.2 \pm 20%	0.74	0.63	38.0	54
SEH2009-202KT	2.0 \pm 10%	0.74	0.63	26.00	54

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH2010 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SEH2010-301MT	0.3 \pm 20%	1.0	0.9	>100	45
SEH2010-501MT	0.5 \pm 20%	1.0	0.9	92.0	45
SEH2010-601MT	0.6 \pm 20%	1.0	0.9	78.0	45
SEH2010-681MT	0.68 \pm 20%	1.0	0.9	72.0	45
SEH2010-801MT	0.8 \pm 20%	1.0	0.9	64.0	45
SEH2010-901MT	0.9 \pm 20%	1.0	0.9	60.0	45
SEH2010-102MT	1.0 \pm 20%	1.0	0.9	82.0	45
SEH2010-122MT	1.2 \pm 20%	1.0	0.9	43.0	45
SEH2010-202KT	2.0 \pm 10%	1.0	0.9	35.0	45

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SEH2011 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH2011-501MT	0.5 \pm 20%	1.34	1.20	>100	40
SEH2011-601MT	0.6 \pm 20%	1.34	1.20	>100	40
SEH2011-681MT	0.68 \pm 20%	1.34	1.20	90.0	40
SEH2011-801MT	0.8 \pm 20%	1.34	1.20	85.0	40
SEH2011-901MT	0.9 \pm 20%	1.34	1.20	72.0	40
SEH2011-102MT	1.0 \pm 20%	1.34	1.20	66	40
SEH2011-122MT	1.2 \pm 20%	1.34	1.20	57.0	40
SEH2011-202KT	2.0 \pm 10%	1.34	1.20	47.0	40

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH2012 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH2012-601MT	0.6 \pm 20%	1.6	1.4	>100	35
SEH2012-681MT	0.68 \pm 20%	1.6	1.4	98.0	35
SEH2012-801MT	0.8 \pm 20%	1.6	1.4	88.0	35
SEH2012-901MT	0.9 \pm 20%	1.6	1.4	80.0	35
SEH2012-102MT	1.0 \pm 20%	1.6	1.4	75.0	35
SEH2012-122MT	1.2 \pm 20%	1.6	1.4	65.0	35
SEH2012-202KT	2.0 \pm 10%	1.6	1.4	45.0	35

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SEH2013 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH2013-681MT	0.68 \pm 20%	1.82	1.70	>100	30
SEH2013-801MT	0.8 \pm 20%	1.82	1.70	94.0	30
SEH2013-901MT	0.9 \pm 20%	1.82	1.70	80.0	30
SEH2013-102MT	1.0 \pm 20%	1.82	1.70	75.0	30
SEH2013-122MT	1.2 \pm 20%	1.82	1.70	63.0	30
SEH2013-202KT	2.0 \pm 10%	1.82	1.70	48	30
SEH2013-362KT	3.6 \pm 10%	1.82	1.70	30	30
SEH2013-402KT	4.0 \pm 10%	1.82	1.70	25.0	30
SEH2013-472KT	4.7 \pm 10%	1.82	1.70	24.0	30

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH2014 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH2014-801MT	0.8 \pm 20%	2.15	1.9	>100	27
SEH2014-901MT	0.9 \pm 20%	2.15	1.9	95.0	27
SEH2014-102MT	1.0 \pm 20%	2.15	1.9	77.0	27
SEH2014-122MT	1.2 \pm 20%	2.15	1.9	72.0	27
SEH2014-202KT	2.0 \pm 20%	2.15	1.9	52.0	27
SEH2012-402KT	4.0 \pm 10%	2.15	1.9	30.0	27

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SEH0905 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.	DC saturation current ^②		Heat rating current ^③	
			I_{sat} (A) Max.		I_{rms} (A) Max.	
SEH0905-101KT	0.10 \pm 10%	0.6	45		22	
SEH0905-151KT	0.15 \pm 10%	0.6	30		22	
SEH0905-181KT	0.18 \pm 10%	0.6	28		22	
SEH0905-221KT	0.22 \pm 10%	0.6	22		22	
SEH0905-331KT	0.33 \pm 10%	1.1	20		15	
SEH0905-471KT	0.47 \pm 10%	1.1	15		15	
SEH0905-561KT	0.56 \pm 10%	1.8	16		12	
SEH0905-681KT	0.68 \pm 10%	1.8	14		12	
SEH0905-821KT	0.82 \pm 10%	1.8	12		12	
SEH0905-102KT	1.0 \pm 10%	3.5	15		8	
SEH0905-152KT	1.5 \pm 10%	3.5	9		8	
SEH0905-182KT	1.8 \pm 10%	3.5	8		8	
SEH0905-222KT	2.2 \pm 10%	6.0	8		6	
SEH0905-332KT	3.3 \pm 10%	6.0	6		6	
SEH0905-472KT	4.7 \pm 10%	8.8	5		4	
SEH0905-562KT	5.6 \pm 10%	8.8	4		4	
SEH0905-682KT	6.8 \pm 10%	8.8	3.2		4	
SEH0905-822KT	8.2 \pm 10%	8.8	2.8		4	
SEH0905-103KT	10.0 \pm 10%	8.8	2.4		4	

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0A_{dc}, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH1005 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.	DC saturation current ^②		Heat rating current ^③	
			I_{sat} (A) Max.		I_{rms} (A) Max.	
SEH1005-101KT	0.10 \pm 10%	0.43	40		20	
SEH1005-151KT	0.15 \pm 10%	0.43	28		20	
SEH1005-181KT	0.18 \pm 10%	0.43	20		20	
SEH1005-221KT	0.22 \pm 10%	0.43	16		20	
SEH1005-331KT	0.33 \pm 10%	0.91	20		14	
SEH1005-471KT	0.47 \pm 10%	0.91	16		14	
SEH1005-561KT	0.56 \pm 10%	0.91	15		14	
SEH1005-681KT	0.68 \pm 10%	0.91	13		14	
SEH1005-821KT	0.82 \pm 10%	0.91	10		14	
SEH1005-102KT	1.0 \pm 10%	1.72	12		10	
SEH1005-152KT	1.5 \pm 10%	1.72	9		10	
SEH1005-182KT	1.8 \pm 10%	1.72	7		10	
SEH1005-222KT	2.2 \pm 10%	3.04	7		6	
SEH1005-332KT	3.3 \pm 10%	3.04	6		6	
SEH1005-472KT	4.7 \pm 10%	6.02	4.5		4	
SEH1005-562KT	5.6 \pm 10%	6.02	3.5		4	
SEH1005-682KT	6.8 \pm 10%	6.02	3		4	
SEH1005-822KT	8.2 \pm 10%	6.02	2.5		4	
SEH1005-103KT	10.0 \pm 10%	6.02	2		4	

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0A_{dc}, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SEH1205 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.	DC saturation current ^②		Heat rating current ^③	
			I_{sat} (A) Max.		I_{rms} (A) Max.	
SEH1205-101KT	0.10 \pm 10%	0.21	70		40	
SEH1205-151KT	0.15 \pm 10%	0.21	60		40	
SEH1205-181KT	0.18 \pm 10%	0.21	45		40	
SEH1205-221KT	0.22 \pm 10%	1.10	60		15	
SEH1205-331KT	0.33 \pm 10%	1.10	52		15	
SEH1205-471KT	0.47 \pm 10%	1.10	34		15	
SEH1205-561KT	0.56 \pm 10%	1.10	30		15	
SEH1205-681KT	0.68 \pm 10%	1.10	24		15	
SEH1205-821KT	0.82 \pm 10%	1.10	18		15	
SEH1205-102KT	1.0 \pm 10%	1.10	15		15	
SEH1205-152KT	1.5 \pm 10%	1.10	16		10	
SEH1205-182KT	1.8 \pm 10%	2.10	13		10	
SEH1205-222KT	2.2 \pm 10%	2.10	10		10	
SEH1205-332KT	3.3 \pm 10%	5.40	12		6	
SEH1205-472KT	4.7 \pm 10%	5.40	8		6	
SEH1205-562KT	5.6 \pm 10%	5.40	7		6	
SEH1205-682KT	6.8 \pm 10%	5.40	6		6	
SEH1205-822KT	8.2 \pm 10%	9.60	6		5	
SEH1205-103KT	10.0 \pm 10%	9.60	5		5	

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0A_{dc}, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH1208 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.	DC saturation current ^②		Heat rating current ^③	
			I_{sat} (A) Max.		I_{rms} (A) Max.	
SEH1208-101KT	0.10 \pm 10%	0.45	80		40	
SEH1208-151KT	0.15 \pm 10%	0.45	75		40	
SEH1208-181KT	0.18 \pm 10%	0.45	70		40	
SEH1208-221KT	0.22 \pm 10%	0.45	64		40	
SEH1208-331KT	0.33 \pm 10%	0.45	40		40	
SEH1208-471KT	0.47 \pm 10%	1.40	44		22	
SEH1208-561KT	0.56 \pm 10%	1.40	40		22	
SEH1208-681KT	0.68 \pm 10%	1.40	38		22	
SEH1208-821KT	0.82 \pm 10%	1.40	35		22	
SEH1208-102KT	1.0 \pm 10%	1.40	30		22	
SEH1208-152KT	1.5 \pm 10%	2.43	24		14	
SEH1208-182KT	1.8 \pm 10%	2.43	18		14	
SEH1208-222KT	2.2 \pm 10%	2.43	16		14	
SEH1208-332KT	3.3 \pm 10%	2.43	12		14	
SEH1208-472KT	4.7 \pm 10%	4.09	11		10	
SEH1208-562KT	5.6 \pm 10%	4.09	10		10	
SEH1208-682KT	6.8 \pm 10%	6.44	10		8	
SEH1208-822KT	8.2 \pm 10%	6.44	8		8	
SEH1208-103KT	10.0 \pm 10%	6.44	7		8	

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0A_{dc}, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SEH2508 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
				I_{sat} (A) Max.	I_{rms} (A) Max.
SEH2508-681KB	0.68 \pm 10%		0.8	85	75
SEH2508-821KB	0.82 \pm 10%		0.8	80	75
SEH2508-102KB	1.0 \pm 10%		0.8	75	75
SEH2508-122KB	1.2 \pm 10%		1.4	60	48
SEH2508-152KB	1.5 \pm 10%		1.4	55	48
SEH2508-182KB	1.8 \pm 10%		1.4	50	48
SEH2508-222KB	2.2 \pm 10%		1.4	44	48
SEH2508-332KB	3.3 \pm 10%		3.0	35	30
SEH2508-472KB	4.7 \pm 10%		3.0	30	30
SEH2508-562KB	5.6 \pm 10%		3.0	26	30
SEH2508-682KB	6.8 \pm 10%		6.3	28	20
SEH2508-822KB	8.2 \pm 10%		6.3	24	20
SEH2508-103KB	10.0 \pm 10%		6.3	20	20

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SEH4211 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SEH4211-152MB	1.5 \pm 20%	1.1	0.955	>100	78
SEH4211-222MB	2.2 \pm 20%	1.1	0.955	84.8	78
SEH4211-332MB	3.3 \pm 20%	1.1	0.955	57.0	78
SEH4211-472MB	4.7 \pm 20%	1.1	0.955	39.0	78

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.



Features :

- ◆ Saturation current up to 125A.
- ◆ Flat wire to optimize the DC losses and low core losses(MnZn).
- ◆ Excellent solerability.
- ◆ Magnetically shielded.
- ◆ Operating temperature: -40°C ~ +125°C.
- ◆ Storage temperature: -40°C ~ +80°C (Tape and Tray packaging).
- ◆ RoHS, REACH compliant, Haloger free available.

Applications :

- ◆ Designed for high current powr supply applications.
- ◆ Storage inductor for High efficiency DC/DC converters.
- ◆ Single and polyphase buck converters.
- ◆ Filter for audio applications.
- ◆ Optimized for high current boost applications.
- ◆ CRM, CCM & DCM PFC Stages, Resonant SMPS.

Product Identification :

SQH

2918T

-

332

M

T

Series name
High current Flat wire Power inductor

External dimension & Code L x W x T [mm]	
2012	21.8x21.5x12.0
2014	21.8x21.5x14.5
2016	21.8x21.5x16.5
2018	22.5x22.5x17.8
2815	28.0x27.0x15.4
2818	28.0x27.0x18.5
2918	27.9x27.0x18.0
2915	27.9x27.0x15.8
2915L	27.9x27.0x15.8
2918T	27.9x25.0x18.0
3218	32.0x34.5x18.5
3218T	32.0x30.7x18.5
3220	32.0x32.6x20.5
3220T	32.0x30.7x20.5
2923T	27.4x17.0x22.7
2923TB	27.4x17.0x22.7
3517T	36.0x35.0x17.0
3522T	36.0x33.0x22.0

Suffix Code:
T = THT Packaging ;
Blank = SMT Packaging
Others = Internal control code

Inductance Value	
Code	Inductance value
221	0.22 μH
152	1.5 μH
473	47 μH
104	100 μH

Inductance Tolerance	
Code	Tolerance
J	±5%
K	±10%
L	±15%
M	±20%

Packing
T ⇒ Tape & Reel B ⇒ Bulk with Trays

Dimensions & Shape : [mm]

Series	Shape	A	B	C	D	E	F	G	H(H1)	J	K
SQH2012	Fig. 1	21.8 max	21.5 max	12.0 max	6.5±0.5	2.5±0.2	2.5±0.2	3.0±0.5	4.2(2.7) ref	2.0 ref	14.0 ref
SQH2014	Fig. 1	21.8 max	21.5 max	14.5 max	6.5±0.5	2.5±0.2	2.5±0.2	3.0±0.5	4.2(2.7) ref	2.0 ref	14.0 ref
SQH2016	Fig. 1	21.8 max	21.5 max	16.5 max	6.5±0.5	2.5±0.2	2.5±0.2	3.0±0.5	4.2(2.7) ref	2.0 ref	14.0 ref
SQH2018	Fig. 2	22.5 max	22.5 max	17.8 max	4.0±0.5	3.2±0.3	3.2±0.3	2.5±0.3	16.0±0.3	2.5 ref	14.0 ref
SQH2815	Fig. 3	28.0 max	27.0 max	15.4max	6.15±0.5	4.0±0.2	3.0±0.3	4.0 Min	6.7±0.5	3.5 ref	19.2 ref
SQH2818	Fig. 3	28.0 max	27.0 max	18.5max	6.35±0.5	3.8±0.2	3.0±0.3	4.0 Min	6.7±0.5	3.5 ref	19.2 ref
SQH2918	Fig. 4	27.9 max	27.9 max	18.0max	6.6±0.5	3.8±0.2	5.0±0.3	5.2 ref	6.90 ref	4.0 ref	19.2 ref
SQH2915	Fig. 4	27.9 max	27.9 max	15.8max	6.6±0.5	3.8±0.2	5.0±0.3	5.2 ref	6.90 ref	4.0 ref	19.2 ref
SQH2915L	Fig. 4	27.9 max	27.9 max	15.8max	6.6±0.5	3.8±0.2	5.0±0.3	5.2 ref	6.90 ref	4.0 ref	19.2 ref
SQH2918T	Fig. 5	27.9 max	26.0 max	18.0max	6.7±0.5	3.8±0.2	5.0±0.3	0.8±0.1	3.5±0.5	4.0 ref	19.2 ref
SQH3218	Fig. 6	33.0 max	34.0 max	19.0max	6.0±0.5	6.0±0.2		3.8 min	8.6±0.5		22.5 ref
SQH3218T	Fig. 7	33.0 max	31.7 max	19.0max	6.0±0.5	6.0±0.2		0.8-1.2	2.5±0.3		22.5 ref
SQH3220	Fig. 6	33.0 max	34.0 max	20.5max	6.0±0.5	6.0±0.2		3.8 min	8.6±0.5		22.5 ref
SQH3220T	Fig. 7	33.0 max	31.7 max	20.5max	6.0±0.5	6.0±0.2		0.8-1.2	2.5±0.3		22.5 ref
SQH2923T	Fig. 8	27.4 max	17.0 max	22.7max	12.7±0.5	3.8±0.2	4.45±0.5	0.8±0.1			
SQH2923TB	Fig. 8	27.4 max	17.0 max	22.7max	12.7±0.5	3.8±0.2	4.45±0.5	0.8±0.1			
SQH3517T	Fig. 7	36.0 max	35.0 max	17.5 max	5.5±0.5	8.0±0.3		1.5±0.15	5.0±0.5		26.5 ref
SQH3522T	Fig. 7	36.0 max	33.0 max	22.0 max	8.0±0.5	7.0±0.3		2.0±0.3	5.0±0.5		26.5 ref

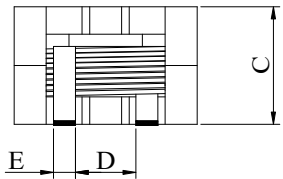
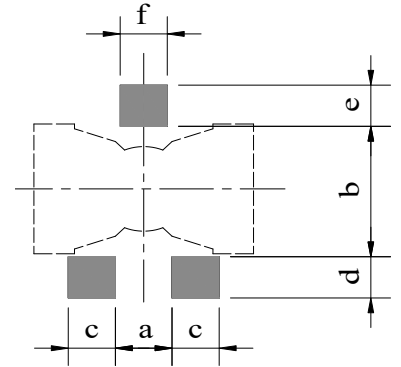
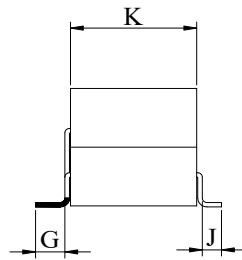
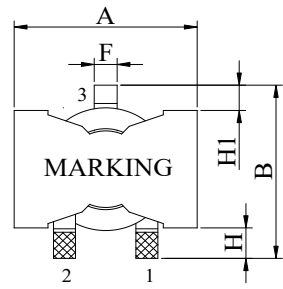
Recommended Pad Layout : [mm]

Series	Shape	a	b	c	d	e	f	b1
SQH2012	Fig. 1	4.0	13.0	5.0	5.0	5.0	5.0	
SQH2014	Fig. 1	4.0	13.0	5.0	5.0	5.0	5.0	
SQH2016	Fig. 1	4.0	13.0	5.0	5.0	5.0	5.0	
SQH2018	Fig. 2	2.7	14.8	4.8	4.2	4.2	4.8	
SQH2815	Fig. 3	4.82	11.56	5.33	5.59	5.28	6.35	5.08
SQH2818	Fig. 3	4.82	11.56	5.33	5.59	5.28	6.35	5.08
SQH2918	Fig. 4	4.8	11.56	5.33	5.59	5.28	6.35	5.08
SQH2915	Fig. 4	4.8	11.56	5.33	5.59	5.28	6.35	5.08
SQH2915L	Fig. 4	4.8	11.56	5.33	5.59	5.28	6.35	5.08
SQH2918T	Fig. 5	5.9	12.1	4.5	1.2	5.28	6.35	5.08
SQH3218	Fig. 6	4.4	14.6	7.6	6.6			
SQH3218T	Fig. 7	4.4	15.8	7.6	2.5			
SQH3220	Fig. 6	4.4	14.6	7.6	6.6			
SQH3220T	Fig. 7	4.4	15.8	7.6	2.5			
SQH2923T	Fig. 8	11.7	4.5	4.8	1.5			
SQH2923TB	Fig. 8	11.7	4.5	4.8	1.5			
SQH3517T	Fig. 7	4.5	15.5	9.0	2.0			
SQH3522T	Fig. 7	4.5	14.5	7.3	2.3			

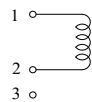
Dimensions & Shape : [mm]

PAD LAYOUT

Figure 1 ⇒ SQH2012/ SQH2014 / SQH2016

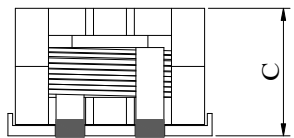
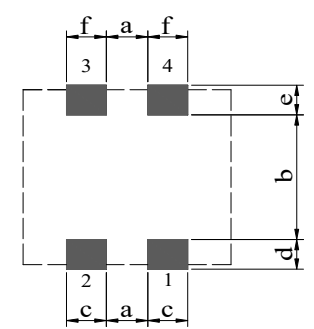
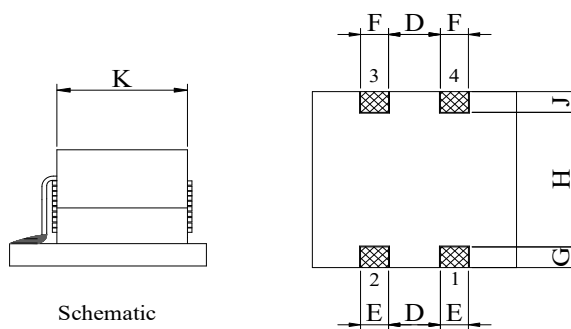
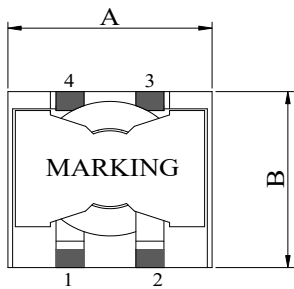


Schematic

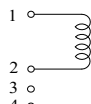


Terminal 3 is for mounting stability only.

Figure 2 ⇒ SQH2018

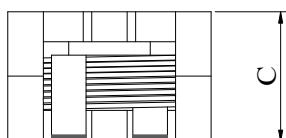
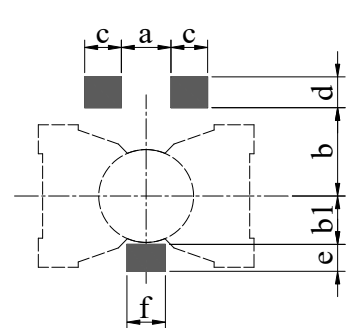
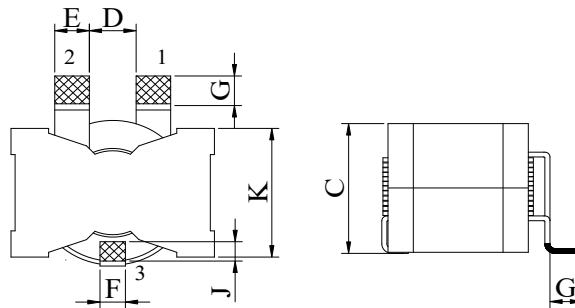
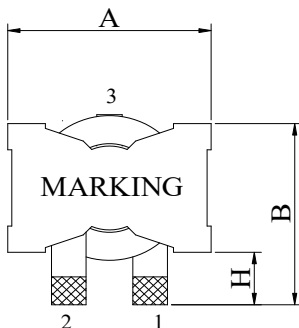


Schematic

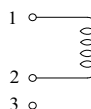


Terminal 3,4 is for mounting stability only.

Figure 3 ⇒ SQH2815 / SQH2818



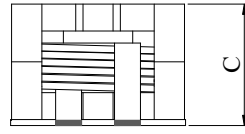
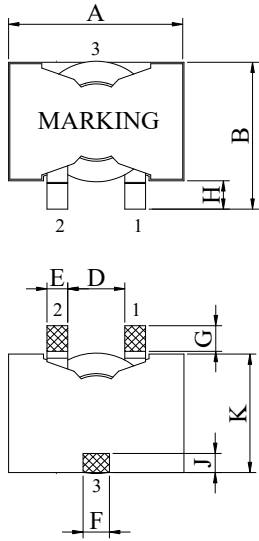
Schematic



Terminal 3 is for mounting stability only.

Dimensions & Shape : [mm] **PAD LAYOUT**

Figure 4 ⇒ SQH2918/ SQH2915 / SQH2915L



Schematic

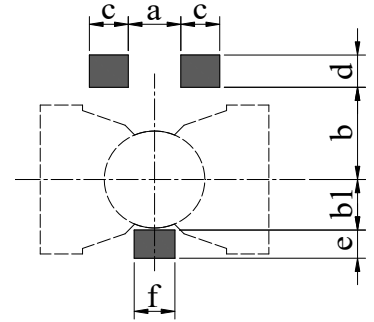
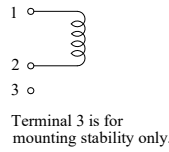
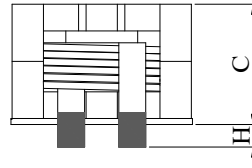
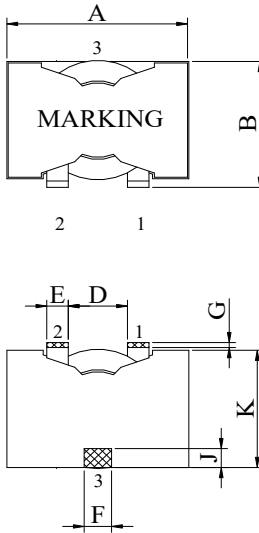


Figure 5 ⇒ SQH2918T



Schematic

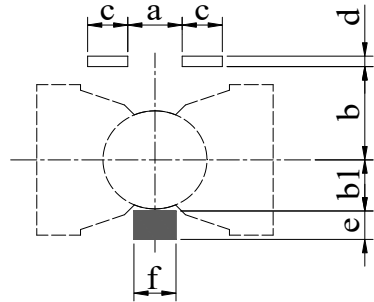
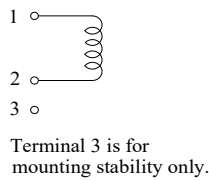
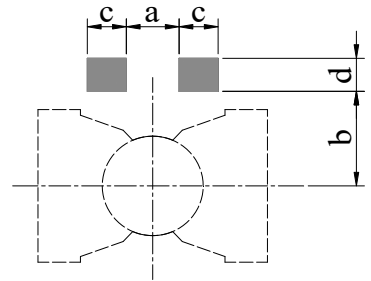
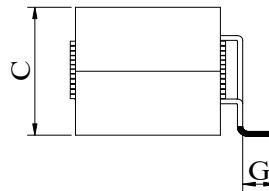
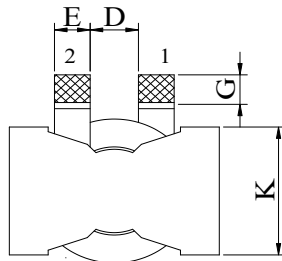
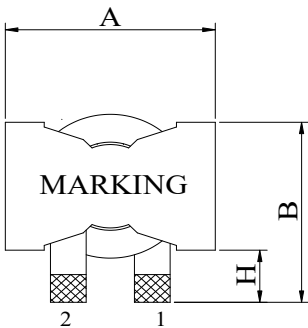
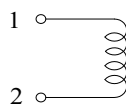


Figure 6 ⇒ SQH3218 / SQH3220



Schematic



Dimensions & Shape : [mm]

PAD LAYOUT

Figure 7 ⇒ SQH3218T / SQH3220T / 3517T / 3522T

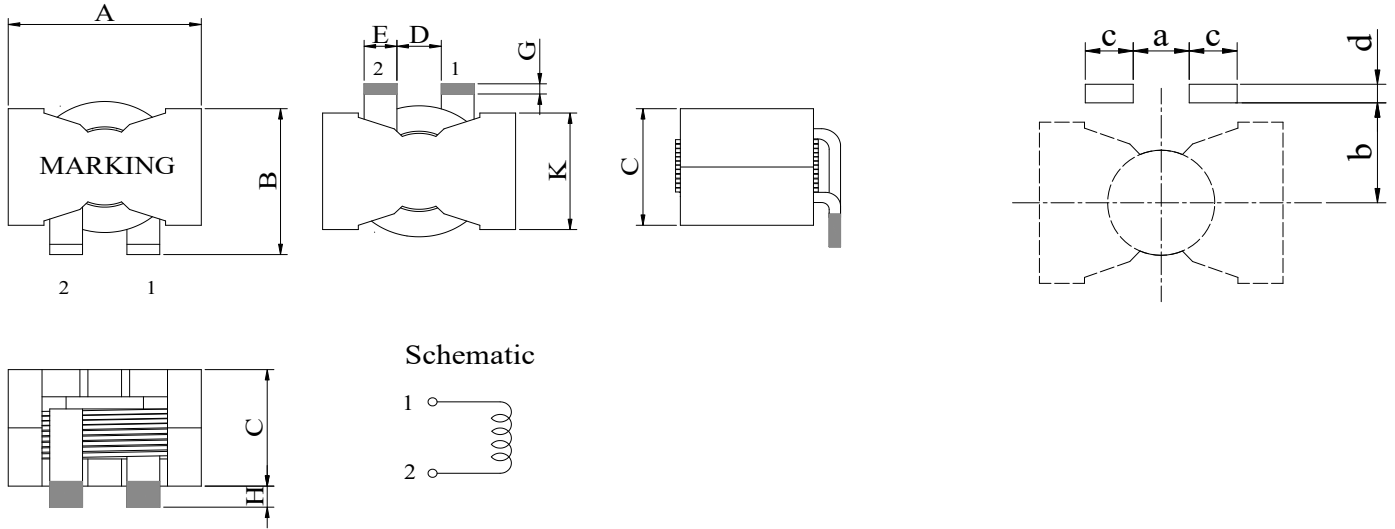
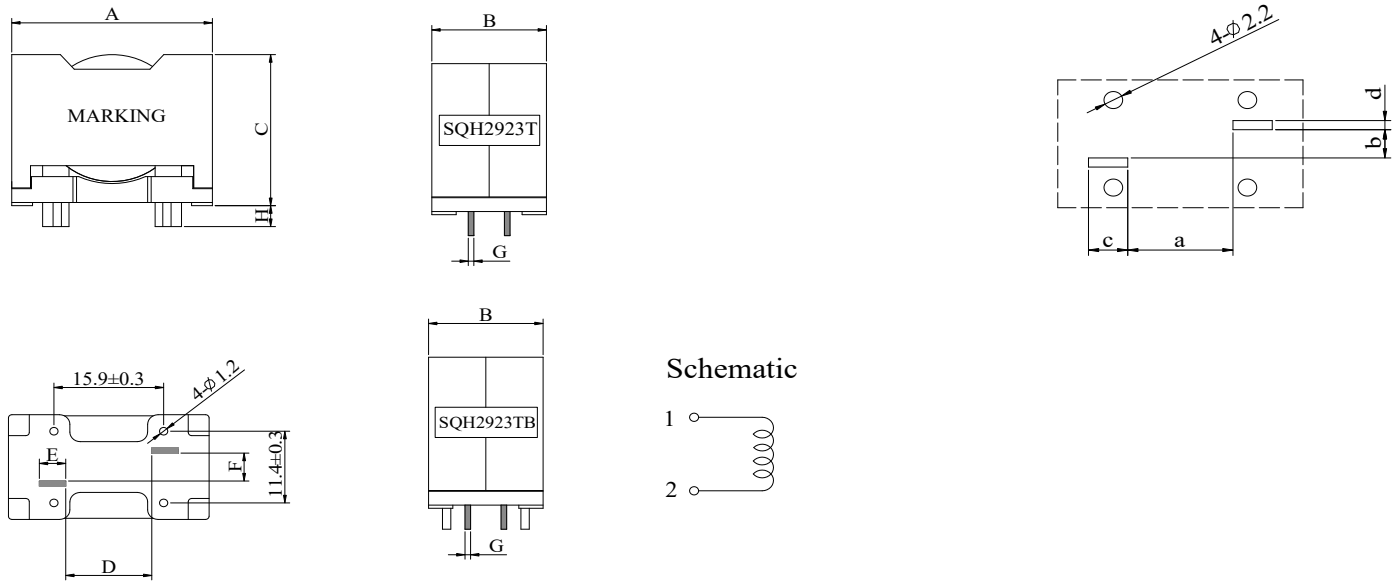


Figure 8 ⇒ SQH2923T / SQH2923TB



Electronial Characteristics :

SQH2012 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2012-501MT	0.5 \pm 20%	0.40	0.35	75	35
SQH2012-151MT	1.5 \pm 20%	1.60	1.38	60	30
SQH2012-202MT	2.0 \pm 20%	2.40	2.11	54	28
SQH2012-222MT	2.2 \pm 20%	2.40	2.11	50	28
SQH2012-332MT	3.3 \pm 20%	2.40	2.11	35	28
SQH2012-472MT	4.7 \pm 20%	2.40	2.11	24	28
SQH2012-682MT	6.8 \pm 20%	2.40	2.11	16	28
SQH2012-822MT	8.2 \pm 20%	2.40	2.11	13	28
SQH2012-103MT	10 \pm 20%	7.00	5.87	13	16
SQH2012-153MT	15 \pm 20%	7.00	5.87	10	16
SQH2012-223MT	22 \pm 20%	9.80	8.17	10	14
SQH2012-333MT	33 \pm 20%	9.80	8.17	7	14

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 20% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH2014 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2014-701MT	0.7 \pm 20%	1.0	0.7	78	28
SQH2014-152MT	1.5 \pm 20%	1.3	1.1	62.0	27
SQH2014-222MT	2.2 \pm 20%	1.8	1.5	53.0	25
SQH2014-332MT	3.3 \pm 20%	2.5	2.1	46.5	24
SQH2014-472MT	4.7 \pm 20%	3.6	3.1	36.5	22
SQH2014-682MT	6.8 \pm 20%	6.8	5.2	31.5	19
SQH2014-103KT	10 \pm 10%	9.5	7.2	24.0	14
SQH2014-153KT	15 \pm 10%	10.5	8.7	22.0	13
SQH2014-223KT	22 \pm 10%	12.8	10.6	15.8	11
SQH2014-333KT	33 \pm 10%	13.7	11.5	11.7	10

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SQH2016 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2016-682MT	6.8 \pm 20%	4.30	3.57	25	20
SQH2016-802MT	8.0 \pm 20%	4.30	3.57	25	20
SQH2016-103MT	10 \pm 20%	6.30	5.28	24	16
SQH2016-223MT	22 \pm 20%	6.30	5.28	10	16
SQH2016-473MT	47 \pm 20%	15.0	12.90	6.5	12

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.

2. Isat current : DC current at which the inductance drops \leq 20% from its value without current.

3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.

4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.

5. Rated current: Isat or Irms, whichever is smaller.

SQH2018 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2018-172KT	1.7 \pm 10%	2.0		75.0	25
SQH2018-222KT	2.2 \pm 10%	2.0		60.0	25
SQH2018-332KT	3.3 \pm 10%	2.0		40.0	25
SQH2018-472KT	4.7 \pm 10%	4.5		35.0	16
SQH2018-682KT	6.8 \pm 10%	4.5		24.0	16
SQH2018-922KT	9.2 \pm 10%	4.5		16.0	16
SQH2018-153KT	15 \pm 10%	4.5		10.0	16
SQH2018-223KT	22 \pm 10%	4.5		7.0	16
SQH2018-333KT	33 \pm 10%	4.5		4.0	16

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.

2. Isat current : DC current at which the inductance drops \leq 20% from its value without current.

3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.

4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.

5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SQH2815 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2815-152LB	1.5 \pm 15%	1.441	1.31	125	36
SQH2815-222LB	2.2 \pm 15%	1.441	1.31	88.5	36
SQH2815-332LB	3.3 \pm 15%	1.441	1.31	60.5	36
SQH2815-472LB	4.7 \pm 15%	1.441	1.31	44	36
SQH2815-682LB	6.8 \pm 15%	1.441	1.31	30	36
SQH2815-103LB	10 \pm 15%	1.441	1.31	21.5	36
SQH2815-153LB	15 \pm 15%	1.441	1.31	14.3	36
SQH2815-223LB	22 \pm 15%	1.441	1.31	9.5	36
SQH2815-333LB	33 \pm 15%	1.441	1.31	6.0	36

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH2818(B) series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2818-102MB	1.0 \pm 20%	0.484	0.44	125	56
SQH2818-152MB	1.5 \pm 20%	0.484	0.44	91.8	56
SQH2818-332LB	3.3 \pm 15%	2.64	2.4	100	30
SQH2818B-332MB	3.3 \pm 20%	0.968	0.88	70	47.5
SQH2818-472LB	4.7 \pm 15%	2.64	2.4	78	30
SQH2818B-472MB	4.7 \pm 20%	0.968	0.88	49.5	47.5
SQH2818-682LB	6.8 \pm 15%	2.64	2.4	55	30
SQH2818B-682MB	6.8 \pm 20%	0.968	0.88	36.3	48
SQH2818-103LB	10 \pm 15%	2.64	2.4	37	30
SQH2818B-103MB	10 \pm 20%	0.968	0.88	25.1	48
SQH2818-153LB	15 \pm 15%	2.64	2.4	26	30
SQH2818-223LB	22 \pm 15%	2.64	2.4	18	30
SQH2818-333LB	33 \pm 15%	2.64	2.4	11.5	30

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SQH2918 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2918-332MB	3.3 \pm 20%	2.86	2.3	93.6	28
SQH2918-472MB	4.7 \pm 20%	2.86	2.3	62.4	28
SQH2918-682MB	6.8 \pm 20%	2.86	2.3	45.9	28
SQH2918-103MB	10 \pm 20%	2.86	2.3	32.1	28
SQH2918-153MB	15 \pm 20%	2.86	2.3	21.9	28
SQH2918-223MB	22 \pm 20%	2.86	2.3	15.0	28
SQH2918-333MB	33 \pm 20%	2.86	2.3	9.60	28

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH2915 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2915-222MB	2.2 \pm 20%	2.05	1.6	>100	30
SQH2915-332MB	3.3 \pm 20%	2.05	1.6	68.4	30
SQH2915-472MB	4.7 \pm 20%	2.05	1.6	50.1	30
SQH2915-682MB	6.8 \pm 20%	2.05	1.6	36.2	30
SQH2915-103KB	10 \pm 10%	2.05	1.6	23.4	30
SQH2915-153KB	15 \pm 10%	2.05	1.6	15.2	30
SQH2915-223KB	22 \pm 10%	2.05	1.6	9.6	30
SQH2915-333KB	33 \pm 10%	2.05	1.6	5.9	30

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SQH2915L series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2915L-152MB	1.5 \pm 20%	1.65	1.5	>100	35
SQH2915L-222MB	2.2 \pm 20%	1.65	1.5	84.0	35
SQH2915L-332MB	3.3 \pm 20%	1.65	1.5	54.0	35
SQH2915L-472MB	4.7 \pm 20%	1.65	1.5	36.9	35
SQH2915L-682MB	6.8 \pm 20%	1.65	1.5	26.0	35
SQH2915L-103KB	10 \pm 10%	1.65	1.5	16.2	35
SQH2915L-153KB	15 \pm 10%	1.65	1.5	9.8	35
SQH2915L-223KB	22 \pm 10%	1.65	1.5	6.0	35
SQH2915L-333KB	33 \pm 10%	1.65	1.5	2.6	35

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH2918T series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2918T-332MB	3.3 \pm 20%	2.86	2.3	93.6	28
SQH2918T-472MB	4.7 \pm 20%	2.86	2.3	62.4	28
SQH2918T-682MB	6.8 \pm 20%	2.86	2.3	45.9	28
SQH2918T-103KB	10 \pm 10%	2.86	2.3	32.1	28
SQH2918T-153KB	15 \pm 10%	2.86	2.3	21.9	28
SQH2918T-223KB	22 \pm 10%	2.86	2.3	15.0	28
SQH2918T-333KB	33 \pm 10%	2.86	2.3	9.6	28

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SQH3218 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SQH3218-332MB	3.3 \pm 20%	1.2	1.0	86.0	55
SQH3218-173MB	17 \pm 20%	4.2	3.5	35.0	30

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 20% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH3218T series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SQH3218T-332MB	3.3 \pm 20%	1.20	1.00	80.0	55
SQH3218T-682MB	6.8 \pm 20%	1.60	1.35	55.0	50

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 20% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH3220 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SQH3220-222MB	2.2 \pm 20%	1.00		>100	90
SQH3220-332MB	3.3 \pm 20%	1.35		85	72
SQH3220-602MB	6.0 \pm 20%	1.80		64	60
SQH3220-103KB	10 \pm 10%	2.30		51	60

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 20% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH3220T series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SQH3220T-222MB	2.2 \pm 20%	1.00		>100	90
SQH3220T-332MB	3.3 \pm 20%	1.35		85	72
SQH3220T-602MB	6.0 \pm 20%	1.80		64	60
SQH3220T-103KB	10 \pm 10%	2.30		51	60

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 20% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

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Electronial Characteristics :

SQH2923T series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2923T-332MB	3.3 \pm 20%	2.86	2.3	93.6	28
SQH2923T-472MB	4.7 \pm 20%	2.86	2.3	62.4	28
SQH2923T-682MB	6.8 \pm 20%	2.86	2.3	45.9	28
SQH2923T-103KB	10 \pm 10%	2.86	2.3	32.1	28
SQH2923T-153KB	15 \pm 10%	2.86	2.3	21.9	28
SQH2923T-223KB	22 \pm 10%	2.86	2.3	15.0	28
SQH2923T-333KTB	33 \pm 10%	2.86	2.3	9.6	28

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH2923TB series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SQH2923TB-332MB	3.3 \pm 20%	2.86	2.3	93.6	28
SQH2923TB-472MB	4.7 \pm 20%	2.86	2.3	62.4	28
SQH2923TB-682MB	6.8 \pm 20%	2.86	2.3	45.9	28
SQH2923TB-103KB	10 \pm 10%	2.86	2.3	32.1	28
SQH2923TB-153KB	15 \pm 10%	2.86	2.3	21.9	28
SQH2923TB-223KB	22 \pm 10%	2.86	2.3	15.0	28
SQH2923TB-333KTB	33 \pm 10%	2.86	2.3	9.6	28

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SQH3517T series

Part Number	Inductance (μH) ^①	DC resistance ($\text{m}\Omega$) Max.		DC saturation current ^② I_{sat} (A) Max.	Heat rating current ^③ I_{rms} (A) Max.
		Max.	Typ.		
SQH3517T-152MB	$1.5 \pm 20\%$	0.40	0.31	113	65

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops $\cong 20\%$ from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^\circ\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SQH3522T series

Part Number	Inductance (μH) ^①	DC resistance ($\text{m}\Omega$) Max.		DC saturation current ^② I_{sat} (A) Max.	Heat rating current ^③ I_{rms} (A) Max.
		Max.	Typ.		
SQH3522T-332MB	$3.3 \pm 20\%$	0.40	0.32	81	65

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops $\cong 20\%$ from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^\circ\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.



Features :

- ◆ Compact size using flat wire, and SMD type.
- ◆ Flat wire coil for low losses at high frequency.
- ◆ Excellent solerability.
- ◆ Magnetically shielded, Low stray field.
- ◆ Operating temperature: -40°C ~ +125°C.
- ◆ Storage temperature: -40°C ~ +80°C (Tape and Tray packaging).
- ◆ RoHS, REACH compliant, Haloger free available.

Applications :

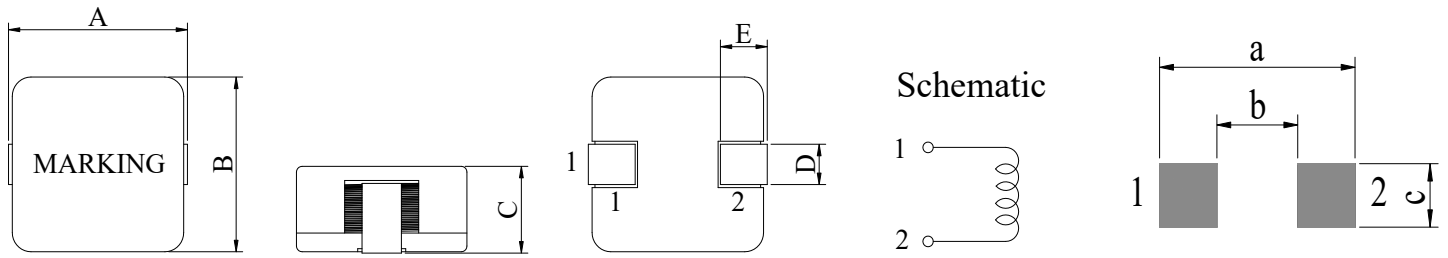
- ◆ Designed for high current powr supply applications.
- ◆ High efficiency DC/DC converters.
- ◆ Single and polyphase switching regulators.
- ◆ Filter for audio applications.
- ◆ Optimized for high current boost applications.
- ◆ Laptops, Graphic cards, Motherboards, Industrial computers.

Product Identification :

SCH	1890B	-	332	M	T		
Series name	External dimension & Code L x W x T [mm]		Inductance Value		Inductance Tolerance		Packing
High current Flat wire Power inductor	5040	5.6x5.3x4.0	Code	Inductance value	Code	Tolerance	T ⇒ Tape & Reel B ⇒ Bulk with Trays
	7030	7.0x6.9x3.0	221	0.22 μH	J	±5%	
	7040	7.0x6.9x3.8	152	1.5 μH	K	±10%	
	7050	7.0x6.9x4.8	473	47 μH	L	±15%	
	1030	10.6x10.6x2.8	104	100 μH	M	±20%	
	1040	10.5x10.2x4.0					
	1050	10.5x10.2x4.7					
	1085	10.5x10.2x8.5					
	1335	12.9x12.8x3.3					
	1350	13.0x12.8x4.7					
	1365	13.0x12.8x6.2					
	1890	18.3x18.2x8.9					
	1890B	18.3x18.2x8.9					
	2212B	22.5x22.0x12.0					
	Suffix Code: T = THT Packaging ; Blank = SMT Packaging Others = Internal control code						

Dimensions & Shape : [mm]

PAD LAYOUT



Series	A	B	C	D	E	a	b	c
SCH5040	5.6±0.3	5.3±0.3	4.0±0.3	1.0±0.3	1.2±0.3	6	2.2	1.6
SCH7030	7.0±0.3	6.9±0.3	3.0±0.3	1.2±0.3	1.8±0.3	7.8	2.4	2.2
SCH7040	7.0±0.3	6.9±0.3	3.8±0.3	1.2±0.3	1.8±0.3	7.8	2.4	2.2
SCH7050	7.0±0.3	6.9±0.3	4.8±0.3	1.2±0.3	1.8±0.3	7.8	2.4	2.2
SCH1030	10.6±0.3	10.6±0.3	2.8±0.3	2.0±0.3	2.6±0.3	11.5	3.9	3.5
SCH1040	10.5±0.5	10.2±0.5	4.0±0.3	3.0±0.5	2.0±0.5	11.5	4.5	4.0
SCH1050	10.5±1.0	10.2±0.5	4.7±0.3	2.2±0.5	3.0±1.0	11.5	3.8	4.0
SCH1085	10.5±1.0	10.2±0.5	8.5 max	1.8±0.2	2.0±0.5	11.5	3.8	3.6
SCH1335	12.9±0.5	12.8±0.5	3.3±0.3	2.4±0.5	2.4±0.5	14.0	6.3	5.0
SCH1350	13.0±1.0	12.8±0.5	4.7±0.3	2.5±0.5	3.0±1.0	15.0	6.0	5.0
SCH1365	13.0±1.0	12.8±0.5	6.2±0.3	2.5±0.5	3.0±1.0	15.0	6.0	5.0
SCH1890	18.3±1.0	18.2±0.5	8.9±0.3	4.2±0.5	5.0±1.0	19.3	7.3	6.0
SCH1890B	18.3±1.0	18.2±0.5	8.9±0.3	4.2±0.5	5.0±1.0	19.3	7.3	6.0
SCH2212B	22.5±1.0	22.0±1.0	12.0±0.5	3.5±0.5	5.5±1.0	23.5	9.5	5.5

Electronial Characteristics :

SCH5040 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②		Heat rating current ^③	
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.		
SCH5040-331MT	0.33 \pm 20%	2.0	1.7	20.0	16.4		
SCH5040-471MT	0.47 \pm 20%	3.1	2.7	16.0	13.8		
SCH5040-681MT	0.68 \pm 20%	4.6	3.9	13.5	11.3		
SCH5040-102MT	1.0 \pm 20%	6.0	5.0	11.5	10.2		
SCH5040-152MT	1.5 \pm 20%	9.4	7.2	9.0	8.2		
SCH5040-222MT	2.2 \pm 20%	13	12.2	7.5	6.8		
SCH5040-332MT	3.3 \pm 20%	21.3	18.3	5.8	5.2		
SCH5040-472MT	4.7 \pm 20%	27	25.8	4.7	4.3		
SCH5040-562MT	5.6 \pm 20%	39.8	36.9	4.6	4.1		

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SCH7030 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②		Heat rating current ^③	
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.		
SCH7030-131MT	0.13 \pm 20%	1.1	0.9	48.0	21		
SCH7030-241MT	0.24 \pm 20%	2.1	1.9	40.0	16		
SCH7030-521MT	0.52 \pm 20%	4.3	3.7	20.0	13		
SCH7030-951MT	0.95 \pm 20%	7.1	6.3	13.0	12		
SCH7030-122MT	1.2 \pm 20%	9.9	8.6	13.0	9		
SCH7030-152MT	1.5 \pm 20%	14.6	12.7	12.0	7		
SCH7030-202MT	2.0 \pm 20%	16.3	14.5	9.0	6		

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

Electronial Characteristics :

SCH7040 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SCH7040-221MT	0.22 \pm 20%	1.3	1.1	32.0	19.0
SCH7040-401MT	0.40 \pm 20%	2.1	1.9	25.0	17.5
SCH7040-681MT	0.68 \pm 20%	3.6	3.1	20.0	16.2
SCH7040-102MT	1.0 \pm 20%	5.3	4.6	19.0	14.8
SCH7040-152MT	1.5 \pm 20%	7.6	6.7	14.0	10.3
SCH7040-222MT	2.2 \pm 20%	13	11.2	13.0	8.2
SCH7040-332MT	3.3 \pm 20%	19.8	18.2	11.0	6.0
SCH7040-472MT	4.7 \pm 20%	22.4	19.8	7.0	5.7

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SCH0705 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SCH7050-241MT	0.24 \pm 20%	1.2	1.0	28.0	17.6
SCH7050-471MT	0.47 \pm 20%	1.6	1.4	20.0	16.0
SCH7050-761MT	0.76 \pm 20%	2.6	2.2	15.0	14.0
SCH7050-112MT	1.1 \pm 20%	3.6	32.2	13.0	13.2
SCH7050-152MT	1.5 \pm 20%	5.0	4.4	11.0	11.1
SCH7050-202MT	2.0 \pm 20%	6.7	5.9	9.0	10.7
SCH7050-332MT	3.3 \pm 20%	10.4	9.0	8.0	8.3
SCH7050-492MT	4.9 \pm 20%	16.7	14.0	6.5	6.9
SCH7050-652MT	6.5 \pm 20%	24.7	22.8	6.0	5.9
SCH7050-762MT	7.6 \pm 20%	32.8	26.4	4.8	3.8
SCH7050-852MT	8.5 \pm 20%	35.0	30.6	4.5	3.6
SCH7050-103MT	10.0 \pm 20%	38.0	35.6	4.0	3.3

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SCH1030 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SCH1030-201MT	0.20 \pm 20%	1.0	0.9	50.0	20.3
SCH1030-331MT	0.33 \pm 20%	2.5	2.1	36.0	16.0
SCH1030-561MT	0.56 \pm 20%	2.5	2.1	33.0	16.0
SCH1030-681MT	0.68 \pm 20%	5.5	3.9	21.0	12.5
SCH1030-102MT	1.0 \pm 20%	5.5	3.9	21.0	12.5
SCH1030-122MT	1.2 \pm 20%	7.6	6.3	15.0	10.7
SCH1030-152MT	1.5 \pm 20%	7.6	6.3	18.0	10.7
SCH1030-222MT	2.2 \pm 20%	13.1	12.4	15.0	8.7

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SCH1040 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SCH1040-301MT	0.3 \pm 20%	1.3	1.1	35.0	18.2
SCH1040-561MT	0.56 \pm 20%	2.2	1.9	30.0	17.1
SCH1040-102MT	1.0 \pm 20%	3.8	3.2	20.0	14.0
SCH1040-152MT	1.5 \pm 20%	6.1	4.6	17.0	12.0
SCH1040-202MT	2.0 \pm 20%	8.4	6.2	13.0	9.7
SCH1040-282MT	2.8 \pm 20%	12.2	10.7	11.0	8.4
SCH1040-432MT	4.3 \pm 20%	16.2	14.8	8.0	7.2
SCH1040-562MT	5.6 \pm 20%	23.7	21.4	7.5	6.2

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SCH1050 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SCH1050-161MT	0.16 ± 20%	0.6	0.5	58.0	23.0
SCH1050-401MT	0.4 ± 20%	0.9	0.7	37.0	21.2
SCH1050-721MT	0.72 ± 20%	1.5	1.3	35.0	18.4
SCH1050-122MT	1.2 ± 20%	2.3	2.0	25.0	18.2
SCH1050-182MT	1.8 ± 20%	4.0	3.1	18.0	15.2
SCH1050-242MT	2.4 ± 20%	5.5	4.2	17.0	12.2
SCH1050-332MT	3.3 ± 20%	6.8	5.8	15.0	11.4
SCH1050-422MT	4.2 ± 20%	8.2	7.0	14.0	10.6
SCH1050-552MT	5.5 ± 20%	11.9	9.0	12.0	9.3
SCH1050-652MT	6.5 ± 20%	14.4	11.0	10.0	7.3
SCH1050-782MT	7.8 ± 20%	15.7	12.7	9.5	7.1
SCH1050-103MT	10.0 ± 20%	18.7	16.8	8.5	6.5
SCH1050-163MT	16.0 ± 20%	39.7	32.3	6.5	4.4

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SCH1085 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SCH1085-681MT	0.68 ± 20%	1.46	1.22	>100	28.0
SCH1085-102MT	1.0 ± 20%	1.75	1.46	60.0	27.5
SCH1085-152MT	1.5 ± 20%	2.50	2.09	43.2	21.0
SCH1085-222MT	2.2 ± 20%	3.37	2.81	35.0	18.0
SCH1085-332MT	3.3 ± 20%	4.10	3.42	18.5	17.0
SCH1085-472MT	4.7 ± 20%	5.05	4.21	13.0	15.0
SCH1085-862MT	8.6 ± 20%	9.90	8.25	11.0	11.8
SCH1085-103KT	10.0 ± 10%	11.3	9.42	10.2	10.2
SCH1085-153KT	15.0 ± 10%	15.5	14.1	8.5	7.8
SCH1085-223KT	22.0 ± 10%	25.2	22.9	6.8	5.8
SCH1085-333KT	33.0 ± 10%	37.0	33.7	6.4	4.8
SCH1085-473KT	47.0 ± 10%	55.0	50.0	5.4	3.7

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SCH1335 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SCH1335-251MT	0.25 \pm 20%	0.9	0.7	60.0	22.1
SCH1335-681MT	0.68 \pm 20%	1.9	1.7	40.0	20.3
SCH1335-122MT	1.2 \pm 20%	3.4	3.1	28.0	15.7
SCH1335-182MT	1.8 \pm 20%	6.6	5.4	22.0	12.4
SCH1335-222MT	2.2 \pm 20%	6.6	5.4	18.0	12.4
SCH1335-332MT	3.3 \pm 20%	9.3	8.0	14.0	10.9

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SCH1350 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I_{sat} (A) Max.	I_{rms} (A) Max.
SCH1350-191MT	0.19 \pm 20%	0.60	0.50	60.0	26.2
SCH1350-471MT	0.47 \pm 20%	1.10	0.90	50.0	23.0
SCH1350-901MT	0.90 \pm 20%	1.80	1.50	28.0	20.6
SCH1350-142MT	1.4 \pm 20%	2.80	2.50	26.0	18.6
SCH1350-232MT	2.3 \pm 20%	4.30	3.50	17.0	15.6
SCH1350-322MT	3.2 \pm 20%	6.10	4.90	15.0	14.1
SCH1350-482MT	4.8 \pm 20%	12.10	7.90	13.0	9.5
SCH1350-602MT	6.0 \pm 20%	14.4	11.8	11.5	9.1
SCH1350-822MT	8.2 \pm 20%	15.6	11.8	11.0	8.2
SCH1350-103MT	10.0 \pm 20%	16.2	14.2	10.0	8.0

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient.
4. All test data is referenced to 20°C ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SCH1365 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SCH1365-201MT	0.20 \pm 20%	0.45	0.35	65.0	27.5
SCH1365-471MT	0.47 \pm 20%	0.8	0.65	50.0	26.8
SCH1365-821MT	0.82 \pm 20%	1.1	0.94	35.0	25.0
SCH1365-132MT	1.3 \pm 20%	2.1	1.6	25.0	21.6
SCH1365-202MT	2.0 \pm 20%	3.0	2.4	22.0	19.2
SCH1365-282MT	2.8 \pm 20%	3.8	3.1	17.5	15.3
SCH1365-372MT	3.7 \pm 20%	5.6	4.7	16.0	13.7
SCH1365-472MT	4.7 \pm 20%	7.1	5.3	15.0	11.0
SCH1365-602MT	6.0 \pm 20%	8.7	7.1	14.0	10.6
SCH1365-732MT	7.3 \pm 20%	9.5	7.8	12.0	11.2
SCH1365-922MT	9.2 \pm 20%	11.0	9.7	10.5	10.4
SCH1365-113MT	11.3 \pm 20%	13.5	11.6	9.5	10.0
SCH1365-133MT	13.0 \pm 20%	15.9	13.9	9.0	8.8
SCH1365-153MT	15.4 \pm 20%	17.0	15.7	8.0	8.4
SCH1365-183MT	18.0 \pm 20%	25.3	19.0	7.5	6.4
SCH1365-223MT	22.0 \pm 20%	28.4	22.9	6.5	5.4
SCH1365-333MT	33.0 \pm 20%	35.1	31.2	5.5	5.2

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SCH1890B series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SCH1890B-562MT	0.56 \pm 20%	3.4	3.0	28.5	22.6
SCH1890B-762MT	0.76 \pm 20%	4.3	3.6	24.7	17.8
SCH1890B-103KT	10.0 \pm 10%	7.9	6.7	18.5	14.6
SCH1890B-153KT	15.0 \pm 10%	10.4	8.9	14.0	12.5
SCH1890B-223KT	22.0 \pm 10%	16.8	15.0	11.0	10.1
SCH1890B-333KT	33.0 \pm 10%	24.9	21.8	9.0	7.1
SCH1890B-473KT	47.0 \pm 10%	38.5	35.6	7.0	6.1

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \leq 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.

Electronial Characteristics :

SCH1890 series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SCH1890-821MT	0.82 \pm 20%	0.62	0.54	65.0	36.8
SCH1890-132MT	1.3 \pm 20%	1.08	0.9	62.0	30.3
SCH1890-192MT	1.9 \pm 20%	1.4	1.2	52.0	29.1
SCH1890-262MT	2.6 \pm 20%	1.8	1.5	50.0	26.6
SCH1890-352MT	3.5 \pm 20%	3.6	2.2	37.0	20.1
SCH1890-452MT	4.5 \pm 20%	3.9	2.5	35.0	18.2
SCH1890-562MT	5.6 \pm 20%	4.3	2.9	33.0	17.5
SCH1890-682MT	6.8 \pm 20%	4.7	4.0	27.0	15.9
SCH1890-103MT	10.0 \pm 20%	7.9	6.0	21.5	13.9

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

SCH2212B series

Part Number	Inductance (μH) ^①	DC resistance (m Ω) Max.		DC saturation current ^②	Heat rating current ^③
		Max.	Typ.	I _{sat} (A) Max.	I _{rms} (A) Max.
SCH2212B-332MT	3.3 \pm 20%	2.0	1.8	45.0	26.2
SCH2212B-682MT	6.8 \pm 20%	2.6	2.3	31.0	25.8
SCH2212B-822MT	8.2 \pm 20%	3.1	2.7	30.0	22.9
SCH2212B-103KT	10.0 \pm 10%	3.9	3.5	26.0	19.5
SCH2212B-123KT	12.0 \pm 10%	5.0	4.1	25.0	17.6
SCH2212B-223KT	22.0 \pm 10%	8.1	7.0	18.0	13.7
SCH2212B-333KT	33.0 \pm 10%	15.2	13.4	15.0	10.3
SCH2212B-473KT	47.0 \pm 10%	22.1	19.8	12.0	8.3
SCH2212B-683KT	68.0 \pm 10%	31.4	26.6	9.5	7.1
SCH2212B-823KT	82.0 \pm 10%	35.0	30.4	8.5	6.2

* Custom design are available upon requested.

1. Inductance measured at: 100kHz, 1Vrms, 0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Isat current : DC current at which the inductance drops \cong 30% from its value without current.
3. Heat rating current : DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20 $^{\circ}\text{C}$ ambient.
4. All test data is referenced to 20 $^{\circ}\text{C}$ ambient.
5. Rated current: Isat or Irms, whichever is smaller.

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others). Please kindly contact K-WELL as follows.