LVS Series



LVS series, an automatic assembly constructed power inductor, is shielded with magnetic resin and suitable for the portable DC-DC converter applications.

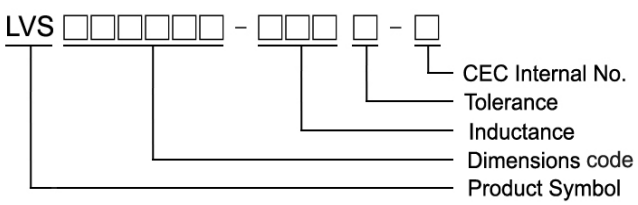
Features

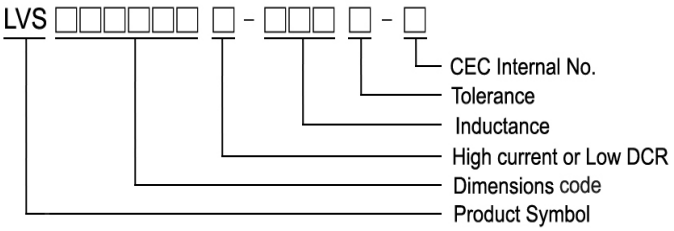
- RoHS, Halogen Free and REACH Compliance
- Shielded with magnetic resin
- Various package size and wide inductance range
- Optimize electrical characteristics by using different ferrite core figures

Applications

- AP Routers
- STBs
- LCD TVs, monitors and panels
- Game consoles
- DC/DC converters

Product Identification

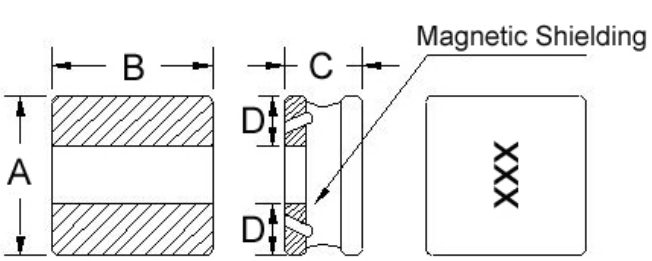


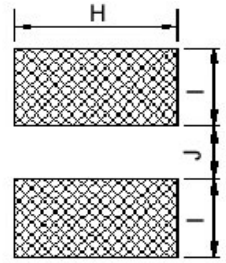


Shape and Dimensions

Recommended Pattern

Figure 1



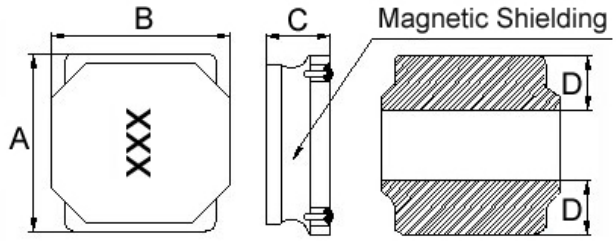


Dimensions in mm

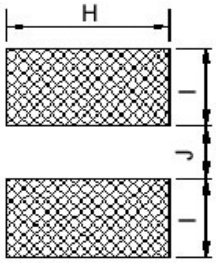
TYPE	FIG	A	B	C	D	H	I	J
LVS404012	1	4.0±0.2	4.0±0.2	1.20±0.1	1.5	4.2	1.5	1.2

Shape and Dimensions

Figure 2



Recommended Pattern

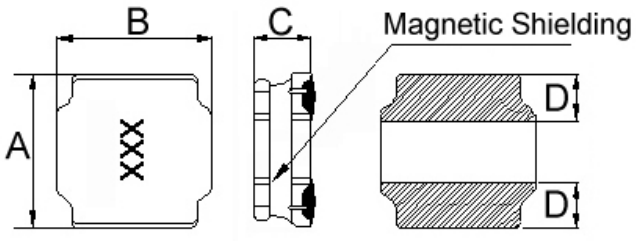


Dimensions in mm

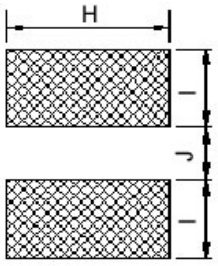
TYPE	FIG	A	B	C	D	H	I	J
LVS404018	2	4.0±0.2	4.0±0.2	$1.8^{+0.2}_{-0.30}$	1.3±0.3	3.7	1.2	1.6
LVS404026	2	4.0±0.2	4.0±0.2	2.6±0.2	1.4	3.7	1.2	1.6

Shape and Dimensions

Figure 3



Recommended Pattern



Dimensions in mm

TYPE	FIG	A	B	C	D	H	I	J
LVS505020	3	5.0±0.2	5.0±0.2	$2.0^{+0.2}_{-0.30}$	1.8±0.3	4.0	1.5	2.1
LVS505040	3	5.0±0.2	5.0±0.2	$4.0^{+0.2}_{-0.30}$	1.6±0.3	4.0	1.5	2.1
LVS606020	3	6.0±0.2	6.0±0.2	$2.0^{+0.2}_{-0.30}$	1.7±0.3	5.7	1.6	2.9
LVS606028	3	6.0±0.2	6.0±0.2	$2.8^{+0.2}_{-0.30}$	1.9±0.3	5.7	1.6	2.9
LVS606045	3	6.0±0.2	6.0±0.2	$4.5^{+0.2}_{-0.30}$	1.8±0.3	5.7	2.0	2.4
LVS606045L	3	6.0±0.2	6.0±0.2	$4.5^{+0.2}_{-0.30}$	1.8±0.3	5.7	2.0	2.4
LVS808040	3	8.0±0.2	8.0±0.2	$4.0^{+0.2}_{-0.30}$	2.3±0.3	7.5	2.5	3.4
LVS808040L	3	8.0±0.2	8.0±0.2	$4.0^{+0.2}_{-0.30}$	2.3±0.3	7.5	2.5	3.4

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS404012-1R0□-N	1.0	20, 30	100	48	2.50(2.25)	1.70(1.53)	1R0
LVS404012-1R5□-N	1.5	20, 30	100	58	2.10(1.89)	1.60(1.44)	1R5
LVS404012-2R2□-N	2.2	20, 30	100	65	1.70(1.53)	1.50(1.35)	2R2
LVS404012-3R3□-N	3.3	20, 30	100	90	1.30(1.17)	1.40(1.26)	3R3
LVS404012-4R7□-N	4.7	20, 30	100	110	1.10(0.99)	1.20(1.08)	4R7
LVS404012-6R8□-N	6.8	20, 30	100	135	0.90(0.81)	1.05(0.94)	6R8
LVS404012-100□-N	10	20, 30	100	190	0.78(0.70)	0.90(0.81)	100
LVS404012-150□-N	15	20, 30	100	250	0.65(0.58)	0.85(0.76)	150
LVS404012-220□-N	22	20, 30	100	400	0.52(0.46)	0.75(0.67)	220
LVS404012-330□-N	33	20, 30	100	600	0.44(0.39)	0.70(0.63)	330
LVS404012-470□-N	47	20, 30	100	930	0.35(0.31)	0.50(0.45)	470

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

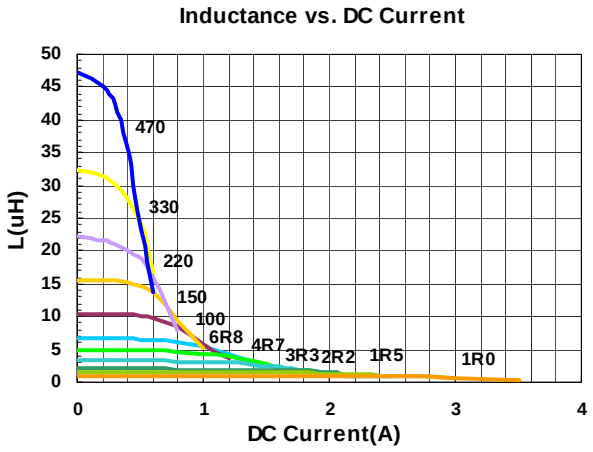
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

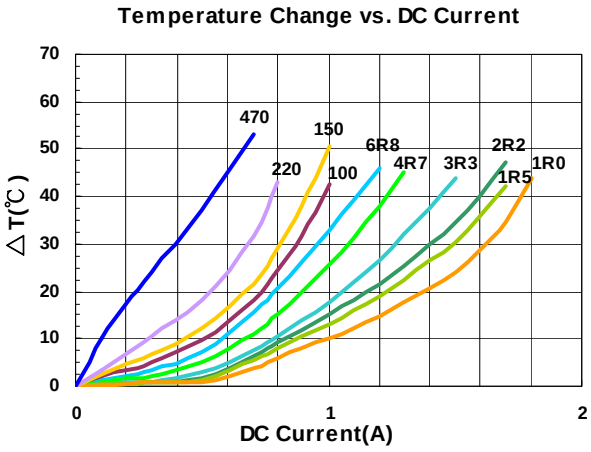
  L：Agilent HP4284A+Agilent HP42841A, 100kHz 1V

  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer





CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±20%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS404018-1R0□-N	1.0	20, 30	100	32	4.10(3.69)	2.80(2.52)	1R0
LVS404018-1R5□-N	1.5	20, 30	100	40	3.30(2.97)	2.60(2.34)	1R5
LVS404018-1R8□-N	1.8	20, 30	100	55	2.80(2.50)	2.50(2.20)	1R8
LVS404018-2R2□-N	2.2	20, 30	100	60	2.80(2.52)	2.50(2.25)	2R2
LVS404018-3R3□-N	3.3	20, 30	100	70	2.20(1.98)	2.10(1.89)	3R3
LVS404018-3R6□-N	3.6	20, 30	100	75	2.10(1.89)	1.90(1.71)	3R6
LVS404018-3R9□-N	3.9	20, 30	100	75	2.10(1.89)	1.90(1.71)	3R9
LVS404018-4R7□-N	4.7	20, 30	100	90	2.00(1.80)	1.70(1.53)	4R7
LVS404018-6R8□-N	6.8	20, 30	100	110	1.60(1.44)	1.50(1.35)	6R8
LVS404018-100□-N	10	20, 30	100	170	1.40(1.26)	1.20(1.08)	100
LVS404018-150□-N	15	20, 30	100	250	1.00(0.90)	1.00(0.90)	150
LVS404018-220□-N	22	20, 30	100	350	0.90(0.81)	0.85(0.76)	220
LVS404018-330□-N	33	20, 30	100	530	0.80(0.72)	0.70(0.63)	330
LVS404018-470□-N	47	20, 30	100	720	0.70(0.63)	0.56(0.50)	470
LVS404018-680□-N	68	20, 30	100	1000	0.56(0.50)	0.45(0.40)	680
LVS404018-101□-N	100	20, 30	100	1500	0.46(0.41)	0.38(0.34)	101
LVS404018-151□-N	150	20, 30	100	2500	0.35(0.31)	0.30(0.27)	151
LVS404018-221□-N	220	20, 30	100	4000	0.28(0.25)	0.23(0.20)	221

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

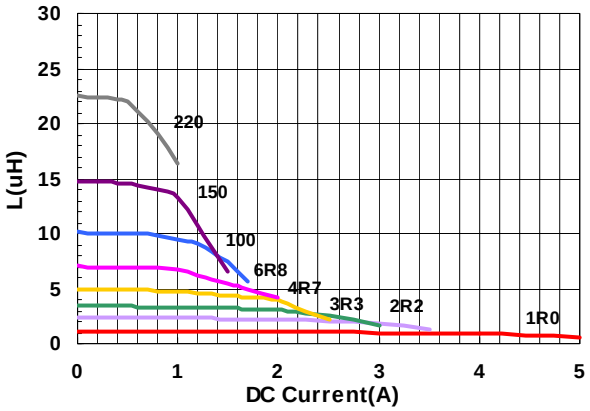
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  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

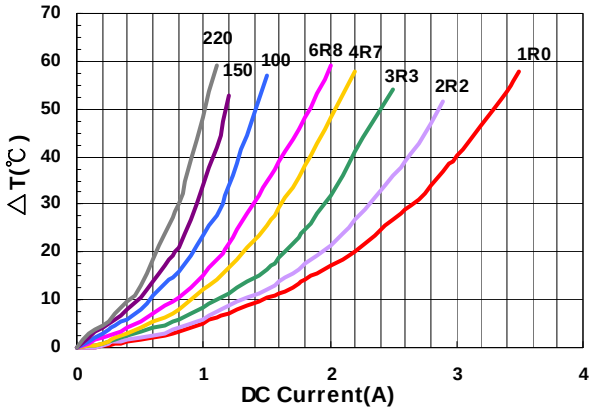
  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer

Inductance vs. DC Current



Temperature Change vs. DC Current



CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS404026-1R2□-N	1.2	20, 30	100	30	3.50(3.15)	3.30(2.97)	1R2
LVS404026-3R3□-N	3.3	20, 30	100	45	2.50(2.25)	2.50(2.25)	3R3
LVS404026-4R7□-N	4.7	20, 30	100	60	1.80(1.62)	1.80(1.62)	4R7
LVS404026-220□-N	22	20, 30	100	230	0.86(0.77)	1.00(0.90)	220

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

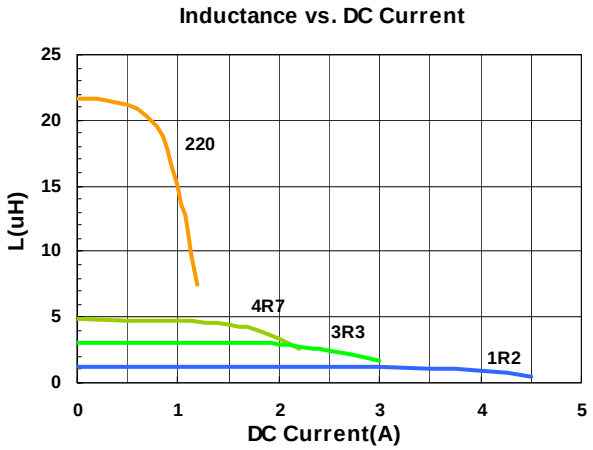
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

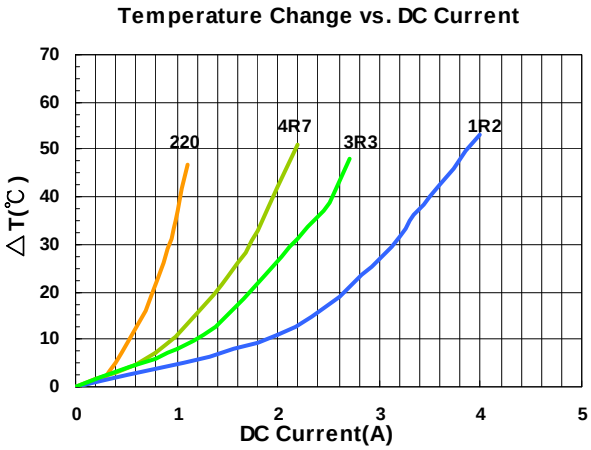
  L：Agilent HP4284A+Agilent HP42841A, 100kHz 1V

  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer





CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±20%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS505020-1R0□-N	1.0	30	100	21	5.1(4.59)	4.0(3.60)	1R0
LVS505020-1R2□-N	1.2	30	100	21	4.8(4.32)	3.8(3.42)	1R2
LVS505020-1R5□-N	1.5	20, 30	100	26	4.2(3.78)	3.5(3.15)	1R5
LVS505020-2R2□-N	2.2	20, 30	100	35	3.4(3.06)	3.2(2.88)	2R2
LVS505020-2R7□-N	2.7	20, 30	100	38	3.05(2.7)	2.9(2.60)	2R7
LVS505020-3R3□-N	3.3	20, 30	100	48	3.0(2.70)	2.8(2.52)	3R3
LVS505020-4R7□-N	4.7	20, 30	100	60	2.2(1.98)	2.2(1.98)	4R7
LVS505020-5R6□-N	5.6	20, 30	100	82	2.05(1.84)	2.0(1.80)	5R6
LVS505020-6R8□-N	6.8	20, 30	100	90	2.0(1.80)	1.8(1.62)	6R8
LVS505020-100□-N	10	20, 30	100	120	1.6(1.44)	1.6(1.44)	100
LVS505020-150□-N	15	20, 30	100	190	1.3(1.17)	1.2(1.08)	150
LVS505020-220□-N	22	20, 30	100	260	1.0(0.90)	1.0(0.90)	220
LVS505020-330□-N	33	20, 30	100	460	0.8(0.72)	0.75(0.67)	330
LVS505020-470□-N	47	20, 30	100	580	0.65(0.58)	0.65(0.58)	470

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

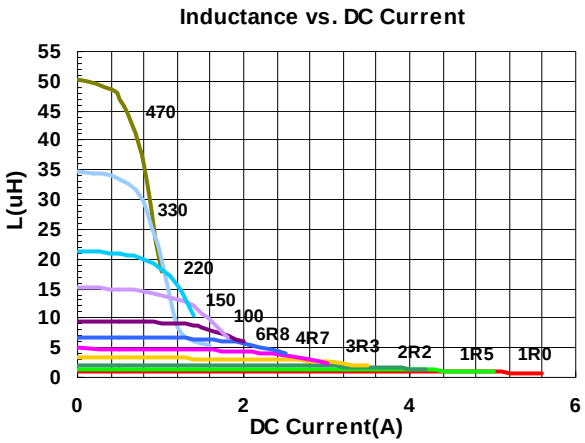
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

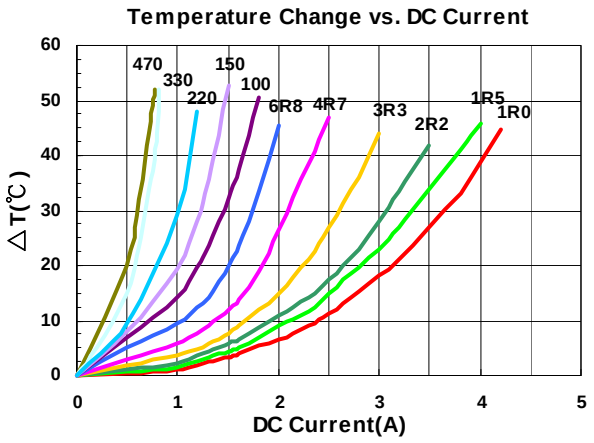
  L：Agilent HP4284A+Agilent HP42841A, 100kHz 1V

  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer





CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS505040-1R0□-N	1.0	30	100	14	7.5(6.75)	4.6(4.14)	1R0
LVS505040-1R2□-N	1.2	30	100	15	7.4(6.66)	4.5(4.05)	1R2
LVS505040-1R5□-N	1.5	20, 30	100	16	7.1(6.39)	4.4(3.96)	1R5
LVS505040-2R2□-N	2.2	20, 30	100	21	5.7(5.13)	3.7(3.33)	2R2
LVS505040-3R0□-N	2.2	20, 30	100	26	4.8(4.32)	3.5(3.15)	3R0
LVS505040-3R3□-N	3.3	20, 30	100	26	4.8(4.32)	3.5(3.15)	3R3
LVS505040-3R6□-N	3.6	20, 30	100	31	4.2(3.70)	3.3(2.90)	3R6
LVS505040-4R7□-N	4.7	20, 30	100	32	4.2(3.78)	3.2(2.88)	4R7
LVS505040-6R8□-N	6.8	20, 30	100	50	3.3(2.97)	2.4(2.16)	6R8
LVS505040-100□-N	10	20, 30	100	60	2.8(2.52)	2.2(1.98)	100
LVS505040-150□-N	15	20, 30	100	90	2.3(2.07)	1.8(1.62)	150
LVS505040-220□-N	22	20, 30	100	135	1.8(1.62)	1.4(1.26)	220
LVS505040-270□-N	27	20, 30	100	180	1.6(1.44)	1.2(1.08)	270
LVS505040-330□-N	33	20, 30	100	190	1.5(1.35)	1.1(0.99)	330
LVS505040-470□-N	47	20, 30	100	310	1.2(1.08)	0.9(0.81)	470
LVS505040-680□-N	68	20, 30	100	540	1.0(0.90)	0.78(0.7)	680
LVS505040-101□-N	100	20, 30	100	800	0.7(0.60)	0.6(0.50)	101

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

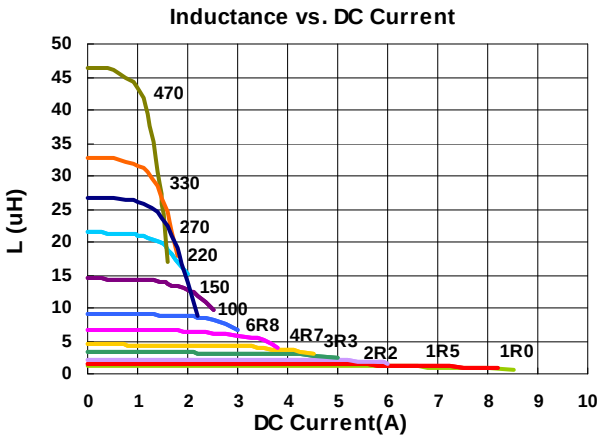
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

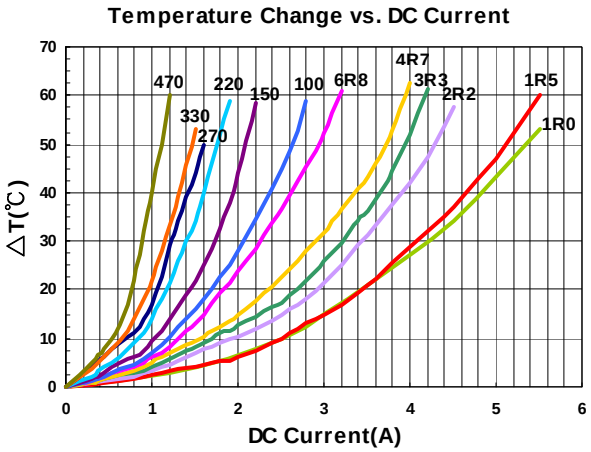
  L：Agilent HP4284A+Agilent HP42841A, 100kHz 1V

  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer





CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS606020-R50□-N	0.5	30	100	13	8.0(7.20)	5.3(4.77)	R50
LVS606020-R90□-N	0.9	30	100	18	6.3(5.67)	4.2(3.78)	R90
LVS606020-1R0□-N	1.0	30	100	19	6.2(5.58)	4.1(3.69)	1R0
LVS606020-1R5□-N	1.5	20, 30	100	26	5.0(4.50)	3.6(3.24)	1R5
LVS606020-2R2□-N	2.2	20, 30	100	34	4.2(3.78)	3.2(2.88)	2R2
LVS606020-3R3□-N	3.3	20, 30	100	40	3.2(2.88)	2.7(2.43)	3R3
LVS606020-4R7□-N	4.7	20, 30	100	58	2.5(2.25)	2.2(1.98)	4R7
LVS606020-6R8□-N	6.8	20, 30	100	85	2.2(1.98)	1.8(1.62)	6R8
LVS606020-100□-N	10	20, 30	100	125	2.0(1.80)	1.6(1.44)	100
LVS606020-150□-N	15	20, 30	100	190	1.3(1.17)	1.3(1.17)	150
LVS606020-220□-N	22	20, 30	100	260	1.1(0.99)	1.1(0.99)	220

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

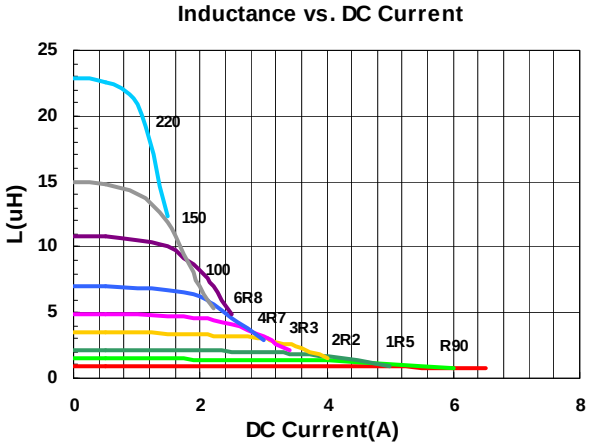
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

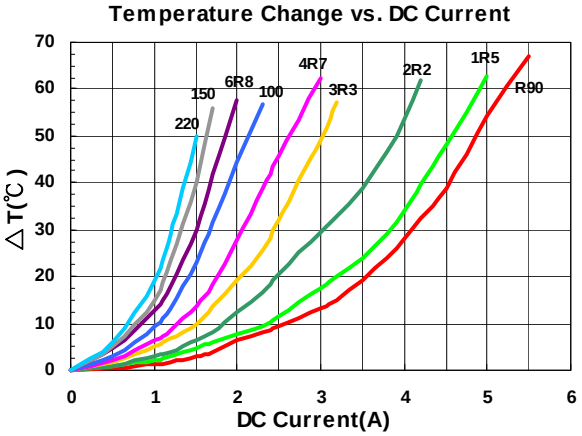
  L：Agilent HP4284A+Agilent HP42841A, 100kHz 1V

  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer





CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS606028-1R0□-N	1.0	30	100	13	7.6(6.84)	5.2(4.68)	1R0
LVS606028-1R5□-N	1.5	30	100	16	6.3(5.67)	4.8(4.32)	1R5
LVS606028-2R2□-N	2.2	20, 30	100	20	5.4(4.86)	4.0(3.60)	2R2
LVS606028-2R7□-N	2.7	20, 30	100	26	4.9(4.41)	3.7(3.33)	2R7
LVS606028-3R3□-N	3.3	20, 30	100	28	4.3(3.87)	3.5(3.15)	3R3
LVS606028-4R7□-N	4.7	20, 30	100	38	3.7(3.33)	3.2(2.88)	4R7
LVS606028-6R0□-N	6.0	20, 30	100	45	3.3(2.97)	2.8(2.52)	6R0
LVS606028-6R8□-N	6.8	20, 30	100	50	3.1(2.79)	2.7(2.43)	6R8
LVS606028-100□-N	10	20, 30	100	65	2.5(2.25)	2.3(2.07)	100
LVS606028-150□-N	15	20, 30	100	95	2.0(1.80)	1.8(1.62)	150
LVS606028-220□-N	22	20, 30	100	135	1.6(1.44)	1.5(1.35)	220
LVS606028-330□-N	33	20, 30	100	220	1.3(1.17)	1.4(1.26)	330
LVS606028-470□-N	47	20, 30	100	320	1.1(0.99)	1.0(0.90)	470
LVS606028-680□-N	68	20, 30	100	420	0.98(0.88)	0.9(0.81)	680
LVS606028-101□-N	100	20, 30	100	600	0.82(0.73)	0.8(0.72)	101

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

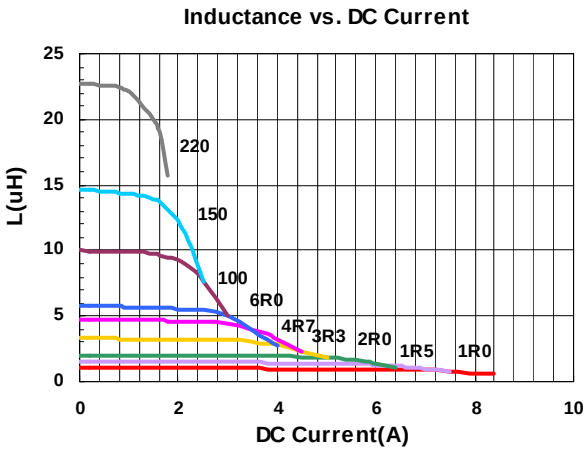
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

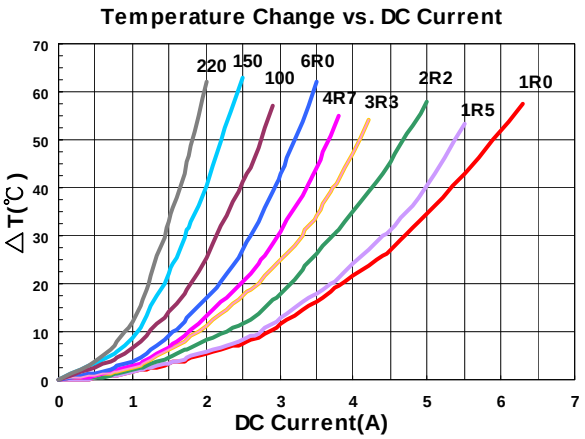
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  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer





CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS606045-1R0□-N	1.0	20, 30	100	12	12.2(10.98)	6.5(5.85)	1R0
LVS606045-1R5□-N	1.5	20, 30	100	15	10.4(9.36)	5.9(5.31)	1R5
LVS606045-1R8□-N	1.8	20, 30	100	17	9.6(8.64)	5.6(5.04)	1R8
LVS606045-2R2□-N	2.2	20, 30	100	18.4	8.8(7.92)	5.1(4.59)	2R2
LVS606045-2R3□-N	2.3	20, 30	100	19	8.8(7.92)	5.0(4.50)	2R3
LVS606045-3R0□-N	3.0	20, 30	100	22	7.8(7.02)	4.4(3.96)	3R0
LVS606045-3R3□-N	3.3	20, 30	100	24	7.5(6.75)	4.3(3.87)	3R3
LVS606045-3R6□-N	3.6	20, 30	100	24	7.5(6.75)	4.3(3.87)	3R6
LVS606045-3R9□-N	3.9	20, 30	100	26	7.0(6.30)	4.0(3.60)	3R9
LVS606045-4R5□-N	4.5	20, 30	100	31	6.7(6.03)	3.9(3.51)	4R5
LVS606045-4R7□-N	4.7	20, 30	100	31	6.7(6.03)	3.9(3.51)	4R7
LVS606045-5R1□-N	5.1	20, 30	100	33	6.0(5.40)	3.5(3.15)	5R1
LVS606045-6R3□-N	6.3	20, 30	100	40	5.5(4.95)	3.3(2.97)	6R3
LVS606045-6R8□-N	6.8	20, 30	100	43	5.3(4.77)	3.2(2.88)	6R8
LVS606045-8R2□-N	8.2	20, 30	100	53	4.6(4.10)	2.9(2.60)	8R2
LVS606045-100□-N	10	20, 30	100	57	4.5(4.05)	2.7(2.43)	100
LVS606045-150□-N	15	20, 30	100	80	3.4(3.06)	2.2(1.98)	150
LVS606045-180□-N	18	20, 30	100	100	3.1(2.79)	1.8(1.62)	180
LVS606045-220□-N	22	20, 30	100	125	3.0(2.70)	1.9(1.71)	220
LVS606045-270□-N	27	20, 30	100	160	2.5(2.25)	1.3(1.17)	270
LVS606045-330□-N	33	20, 30	100	165	2.3(2.07)	1.4(1.26)	330
LVS606045-470□-N	47	20, 30	100	245	1.9(1.71)	1.2(1.08)	470
LVS606045-680□-N	68	20, 30	100	330	1.6(1.44)	1.0(0.90)	680
LVS606045-101□-N	100	20, 30	100	500	1.3(1.17)	0.8(0.72)	101
LVS606045-221□-N	220	20, 30	100	1300	0.82(0.73)	0.38(0.34)	221
LVS606045-331□-N	330	20, 30	100	1800	0.7(0.63)	0.35(0.31)	331
LVS606045-102□-N	1000	20, 30	100	6000	0.4(0.36)	0.22(0.19)	102

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

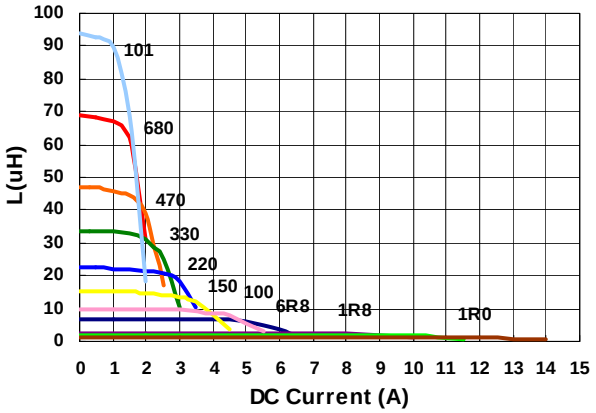
  L：Agilent HP4284A+Agilent HP42841A, 100kHz 1V

  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

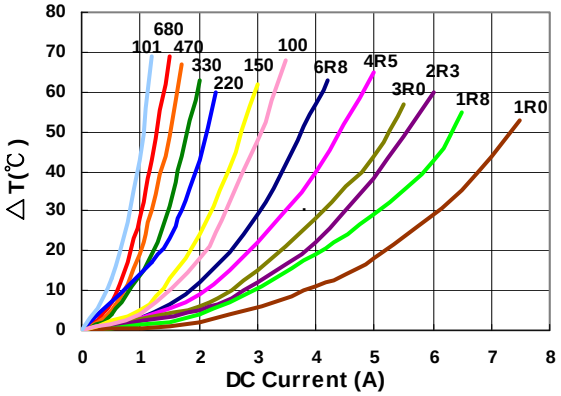
  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer

Inductance vs. DC Current



Temperature Change vs. DC Curent



CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) Max	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS606045L-R50□-N	0.5	30	100	9	11(9.90)	8.0(7.20)	R50
LVS606045L-2R2□-N	2.2	20, 30	100	17	6.8(6.12)	5.5(4.95)	2R2
LVS606045L-3R3□-N	3.3	20, 30	100	24	5.5(4.95)	4.7(4.23)	3R3
LVS606045L-4R7□-N	4.7	20, 30	100	30	4.6(4.14)	4.0(3.60)	4R7
LVS606045L-6R8□-N	6.8	20, 30	100	40	4.0(3.60)	3.5(3.15)	6R8
LVS606045L-100□-N	10	20, 30	100	50	3.2(2.88)	3.2(2.88)	100
LVS606045L-150□-N	15	20, 30	100	80	2.6(2.34)	2.5(2.25)	150
LVS606045L-220□-N	22	20, 30	100	120	2.1(1.89)	2.0(1.80)	220
LVS606045L-330□-N	33	20, 30	100	170	1.7(1.53)	1.6(1.44)	330
LVS606045L-101□-N	100	20, 30	100	595	0.95(0.85)	0.92(0.82)	101

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

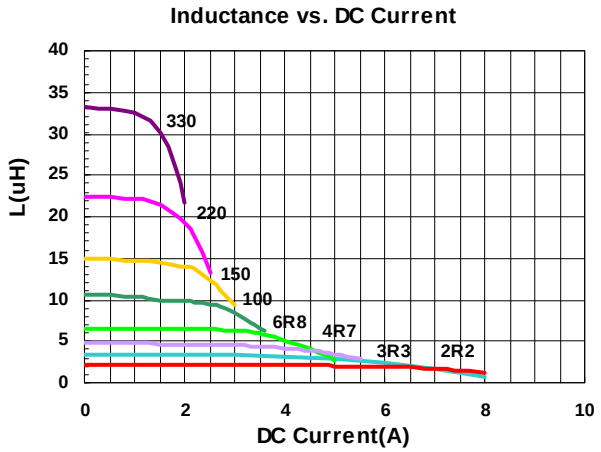
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- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

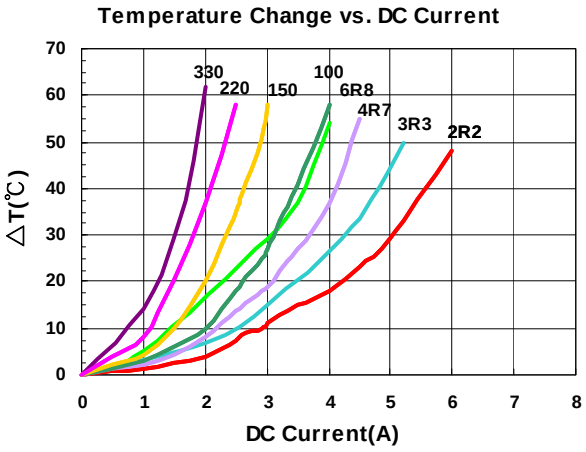
  L：Agilent HP4284A+Agilent HP42841A, 100kHz 1V

  RDC：DIGITAL MILLINHM METER CHROMA 16502, or equivalent

  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer





Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS808040-R90□-N	0.9	30	100	7	13.8(12.42)	8.05(7.24)	R90
LVS808040-1R0□-N	1.0	30	100	7.5	13.0(11.70)	7.95(7.15)	1R0
LVS808040-1R4□-N	1.4	30	100	9	10.8(9.72)	7.8(7.02)	1R4
LVS808040-1R5□-N	1.5	30	100	9.5	10.0(9.00)	7.7(6.93)	1R5
LVS808040-2R0□-N	2.0	20, 30	100	11	9.6(8.64)	7.4(6.66)	2R0
LVS808040-2R2□-N	2.2	20, 30	100	11.5	9.2(8.28)	7.2(6.48)	2R2
LVS808040-2R5□-N	2.5	20, 30	100	13	8.2(7.38)	6.3(5.67)	2R5
LVS808040-3R3□-N	3.3	20, 30	100	15	7.5(6.75)	6.0(5.40)	3R3
LVS808040-4R7□-N	4.7	20, 30	100	18	6.0(5.40)	5.5(4.95)	4R7
LVS808040-5R6□-N	5.6	20, 30	100	23	5.7(5.13)	5.2(4.68)	5R6
LVS808040-6R8□-N	6.8	20, 30	100	25	5.4(4.86)	5.1(4.59)	6R8
LVS808040-100□-N	10	20, 30	100	38	4.3(3.87)	3.8(3.42)	100
LVS808040-120□-N	12	20, 30	100	45	3.8(3.42)	3.5(3.15)	120
LVS808040-150□-N	15	20, 30	100	50	3.6(3.24)	3.2(2.88)	150
LVS808040-180□-N	18	20, 30	100	68	3.1(2.79)	2.7(2.43)	180
LVS808040-220□-N	22	20, 30	100	80	2.8(2.52)	2.6(2.34)	220
LVS808040-330□-N	33	20, 30	100	110	2.3(2.07)	2.0(1.80)	330
LVS808040-470□-N	47	20, 30	100	160	1.9(1.71)	1.75(1.57)	470
LVS808040-680□-N	68	20, 30	100	240	1.7(1.53)	1.45(1.30)	680
LVS808040-101□-N	100	20, 30	100	340	1.4(1.26)	1.10(0.99)	101
LVS808040-121□-N	120	20, 30	100	425	1.1(0.99)	1.0(0.90)	121
LVS808040-151□-N	150	20, 30	100	480	1.0(0.90)	0.9(0.81)	151
LVS808040-221□-N	220	20, 30	100	670	0.94(0.84)	0.60(0.54)	221
LVS808040-271□-N	270	20, 30	100	900	0.83(0.74)	0.55(0.49)	271
LVS808040-821□-N	820	20, 30	100	2800	0.40(0.36)	0.38(0.34)	821

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

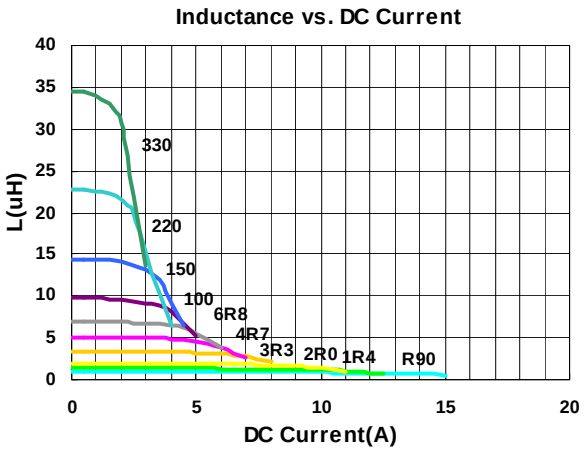
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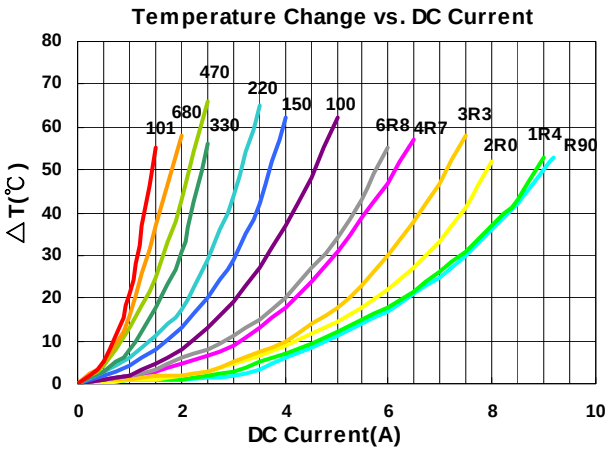
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  Isat & Irms：Agilent HP4284A

Test Instruments：HP4284A Material/Impedance Analyzer





Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) Max	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS808040L-1R0□-N	1.0	30	100	10	9.5(8.55)	8.5(7.65)	1R0
LVS808040L-2R2□-N	2.2	20,30	100	12	7.2(6.48)	7.3(6.57)	2R2
LVS808040L-3R3□-N	3.3	20,30	100	19	5.6(5.04)	6.0(5.40)	3R3
LVS808040L-4R7□-N	4.7	20,30	100	22	4.4(3.96)	5.0(4.50)	4R7
LVS808040L-8R2□-N	8.2	20,30	100	37	3.6(3.24)	3.8(3.42)	8R2
LVS808040L-100□-N	10	20,30	100	42	3.1(2.79)	3.5(3.15)	100
LVS808040L-150□-N	15	20,30	100	58	2.5(2.25)	3.0(2.70)	150
LVS808040L-220□-N	22	20,30	100	85	2.0(1.80)	2.5(2.25)	220

Note: When ordering, please specify tolerance code. Tolerance: M=±20% , T =±30%

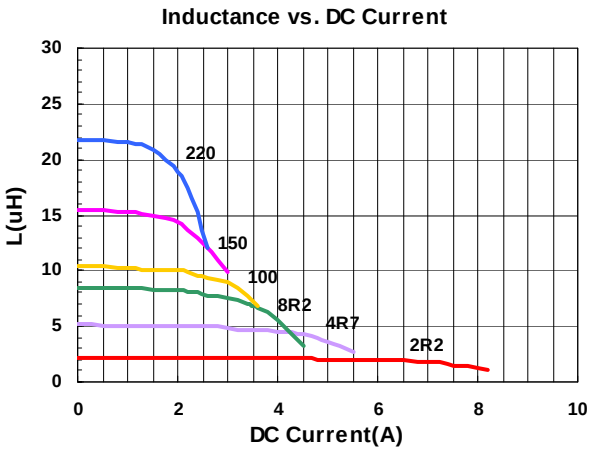
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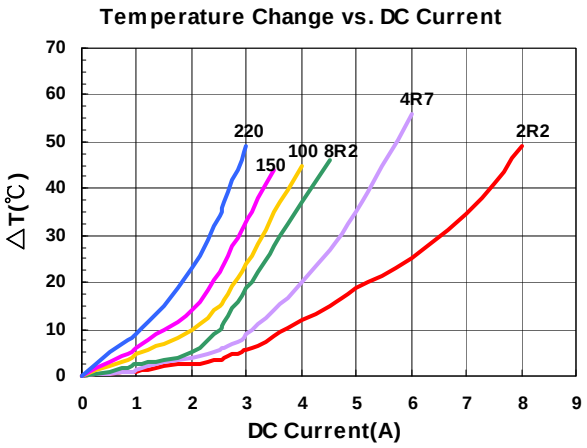
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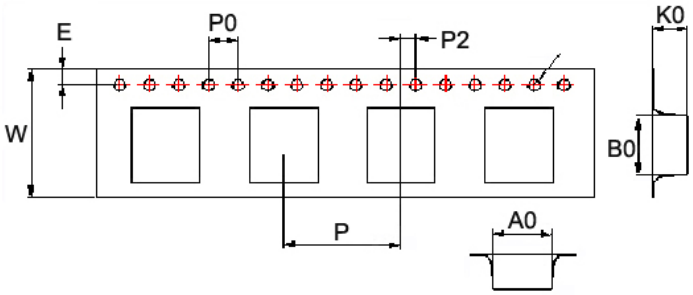




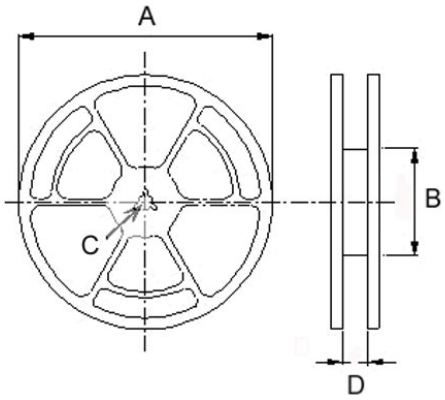
CHILISIN ELECTRONICS CORP.

Packaging Specifications

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions										Reel Dimensions				Quantity
	A0	B0	K0	D	E	F	W	P	P0	P2	A	B	C	D	PCS / Reel
LVS404012	4.25	4.25	1.30	1.55	1.75	5.5	12	8.1	4	2	180	60	13	13.2	1000
LVS404018	4.25	4.25	2.10	1.55	1.75	5.5	12	8.1	4	2	180	60	13	13.2	800
LVS404026	4.25	4.25	3.00	1.55	1.75	5.5	12	8.1	4	2	180	60	13	13.2	500
LVS505020	5.25	5.25	2.20	1.55	1.75	5.5	12	8.1	4	2	330	100	13	13.4	2000
LVS505040	5.20	5.20	4.20	1.55	1.75	5.5	12	8.1	4	2	330	100	13	13.4	1500
LVS606020	6.25	6.25	2.20	1.55	1.75	7.5	16	12	4	2	330	100	13	16.0	2000
LVS606028	6.25	6.25	3.00	1.55	1.75	7.5	16	12	4	2	330	100	13	16.0	1500
LVS606045	6.25	6.25	4.65	1.55	1.75	7.5	16	12	4	2	330	100	13	16.0	1000
LVS808040	8.25	8.25	4.15	1.55	1.75	7.5	16	12	4	2	330	100	13	16.0	1000