

LVS Series



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

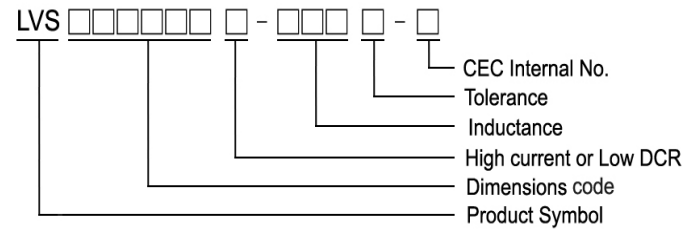
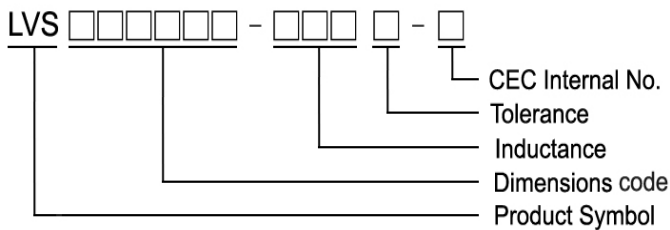
Features

- RoHS compliant
- Highly accurate dimensions can be mounted automatically.
- Terminals are highly resistant to pull forces.
- Highly reliable in environments of sudden temperature change and humidity.
- Superior EMI electrical with ultra low radiation comparing to conventional shielded power inductors.

Applications

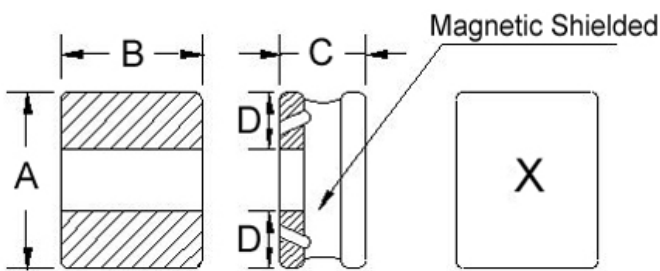
- LCD TV, Monitor, Ap Router, STB, Smart Phone, Touch Panel, DSC, Game Console and other electronic devices.

Product Identification

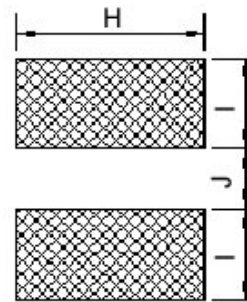


Shapes and Dimensions

Figure 1



Recommended Pattern

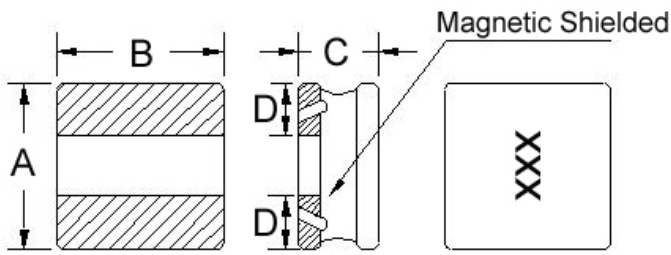


Dimensions in mm

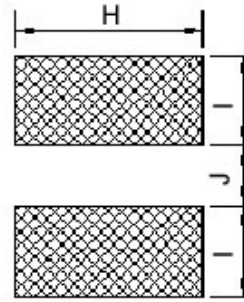
TYPE	FIG	A	B	C Max	D	H	I	J
LVS201610	1	2.0±0.2	1.6±0.2	1.02	0.6	1.8	0.80	0.8
LVS252010	1	2.5±0.2	2.0±0.2	1.02	0.8	2.0	0.85	0.8
LVS252010D	1	2.5±0.2	2.0±0.2	1.02	0.8	2.0	0.85	0.8
LVS252012	1	2.5±0.2	2.0±0.2	1.20	0.8	2.0	0.85	0.8
LVS252012L	1	2.5±0.2	2.0±0.2	1.20	0.8	2.0	0.85	0.8
LVS252012D	1	2.5±0.2	2.0±0.2	1.20	0.8	2.0	0.85	0.8

Shapes and Dimensions

Figure 2



Recommended Pattern



Dimensions in mm

TYPE	FIG	A	B	C	D	H	I	J
LVS303010	2	3.0±0.2	3.0±0.2	1.02Max.	1.0	3.0	1.0	1.0
LVS303010H	2	3.0±0.2	3.0±0.2	1.02Max.	1.0	3.0	1.0	1.0
LVS303012	2	3.0±0.2	3.0±0.2	1.20Max.	1.0	3.0	1.0	1.0
LVS303012H	2	3.0±0.2	3.0±0.2	1.20Max.	1.0	3.0	1.0	1.0
LVS303015	2	3.0±0.2	3.0±0.2	1.50Max.	1.0	3.0	1.0	1.0
LVS303015H	2	3.0±0.2	3.0±0.2	1.50Max.	1.0	3.0	1.0	1.0
LVS404010	2	4.0±0.2	4.0±0.2	1.20±0.2	1.3	4.2	1.5	1.2
LVS404012	2	4.0±0.2	4.0±0.2	1.20±0.1	1.5	4.2	1.5	1.2

Shapes and Dimensions

Figure 3

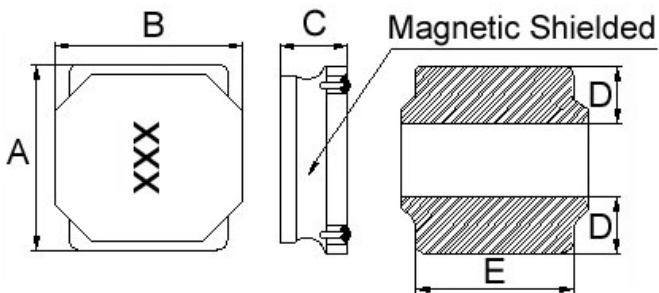
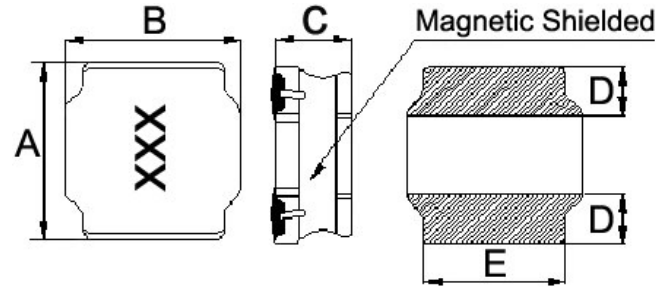


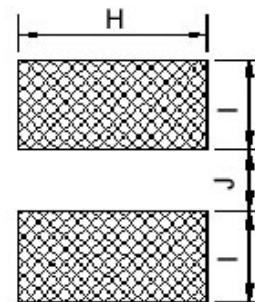
Figure 4



Dimensions in mm

TYPE	FIG	A	B	C	D	E	H	I	J
LVS404018	3	4.0±0.2	4.0±0.2	1.8 ^{+0.2} _{-0.30}	1.3±0.3	3.6	3.7	1.2	1.6
LVS505020	4	5.0±0.2	5.0±0.2	2.0 ^{+0.2} _{-0.30}	1.8±0.3	4.0	4.0	1.5	2.1
LVS505040	4	5.0±0.2	5.0±0.2	4.0 ^{+0.2} _{-0.30}	1.6±0.3	4.0	4.0	1.5	2.1
LVS606020	4	6.0±0.2	6.0±0.2	2.0 ^{+0.2} _{-0.30}	1.7±0.3	5.0	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	4.8	5.7	1.6	2.9
LVS606045	4	6.0±0.2	6.0±0.2	4.5 ^{+0.2} _{-0.30}	1.8±0.3	5.0	5.7	1.6	2.9
LVS606045L	4	6.0±0.2	6.0±0.2	4.5 ^{+0.2} _{-0.30}	1.8±0.3	5.0	5.7	1.6	2.9
LVS808040	4	8.0±0.2	8.0±0.2	4.0 ^{+0.2} _{-0.30}	2.3±0.3	6.3	7.5	2.1	3.8
LVS808040L	4	8.0±0.2	8.0±0.2	4.0 ^{+0.2} _{-0.30}	2.3±0.3	6.3	7.5	2.1	3.8

Recommended Pattern

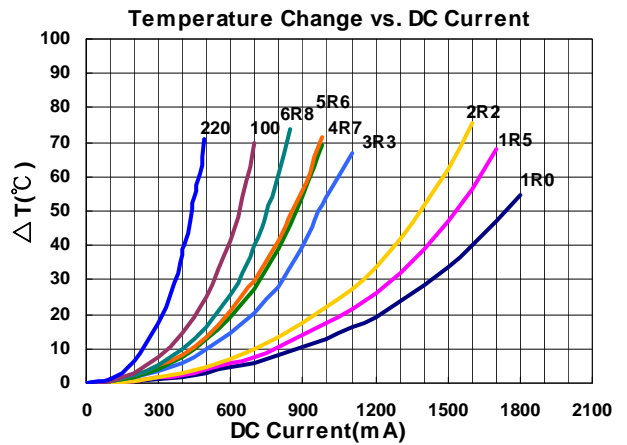
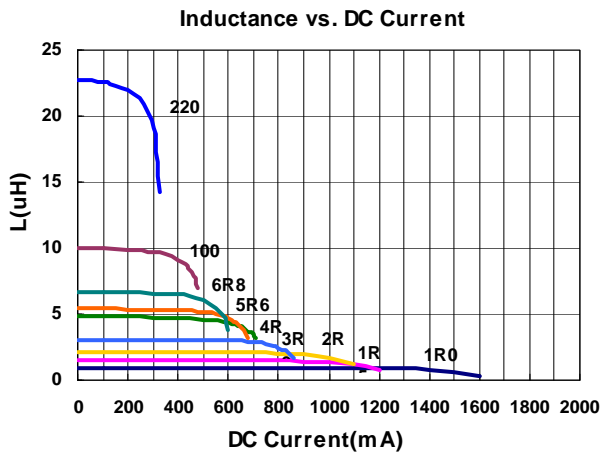


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω ±30%)	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS201610-1R0□-N	1.0	1	20, 30	0.17	1400(1120)	1600(1280)	A
LVS201610-1R5□-N	1.5	1	20, 30	0.26	1100(880)	1400(1120)	B
LVS201610-2R2□-N	2.2	1	20, 30	0.32	1000(800)	1200(960)	C
LVS201610-3R3□-N	3.3	1	20, 30	0.51	820(656)	900(720)	D
LVS201610-4R7□-N	4.7	1	20, 30	0.67	680(544)	800(640)	E
LVS201610-5R6□-N	5.6	1	20, 30	0.72	650(520)	800(640)	F
LVS201610-6R8□-N	6.8	1	20, 30	0.97	560(448)	700(560)	G
LVS201610-100□-N	10	1	20, 30	1.45	470(376)	580(464)	H
LVS201610-120□-N	12	1	20, 30	1.65	420(336)	420(336)	J
LVS201610-220□-N	22	1	20, 30	2.90	310(248)	400(320)	I

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

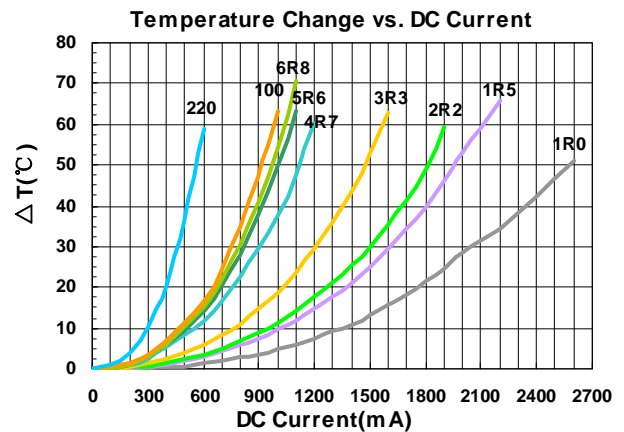
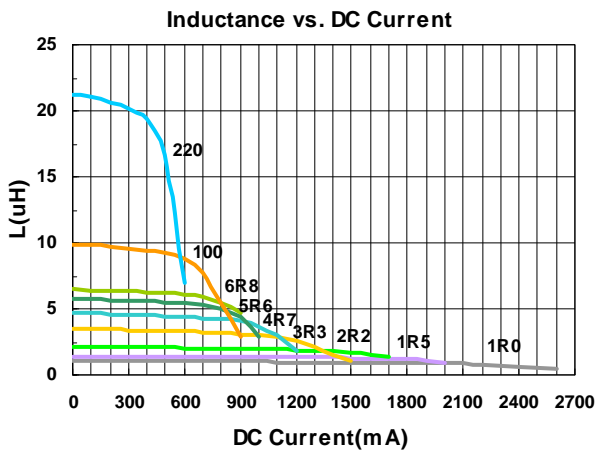


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS252010-1R0□-N	1.0	1	20, 30	0.093	2200(1760)	2200(1760)	A
LVS252010-1R5□-N	1.5	1	20, 30	0.148	1900(1520)	1800(1440)	B
LVS252010-2R2□-N	2.2	1	20, 30	0.178	1620(1296)	1680(1344)	C
LVS252010-3R3□-N	3.3	1	20, 30	0.286	1220(976)	1340(1072)	D
LVS252010-4R7□-N	4.7	1	20, 30	0.421	1040(832)	1020(816)	E
LVS252010-5R6□-N	5.6	1	20, 30	0.481	920(736)	940(752)	F
LVS252010-6R8□-N	6.8	1	20, 30	0.598	900(720)	880(704)	G
LVS252010-100□-N	10	1	20, 30	0.797	740(592)	820(656)	H
LVS252010-150□-N	15	1	20, 30	1.450	520(416)	400(320)	L
LVS252010-220□-N	22	1	20, 30	1.839	500(400)	520(416)	I

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- Packaging: Clear tape and reel {standard}.
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & I rms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- I rms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

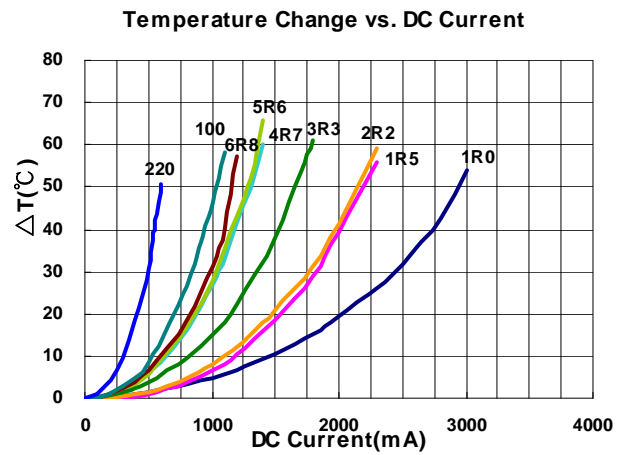
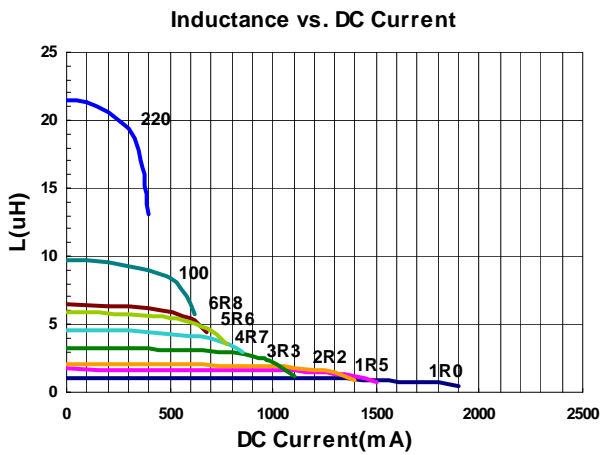


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS252010D-1R0□-N	1.0	1	20, 30	0.085	1500(1200)	2300(1840)	A
LVS252010D-1R5□-N	1.5	1	20, 30	0.125	1100(880)	1800(1440)	B
LVS252010D-2R2□-N	2.2	1	20, 30	0.150	1000(800)	1700(1360)	C
LVS252010D-3R3□-N	3.3	1	20, 30	0.220	860(688)	1400(1120)	D
LVS252010D-4R7□-N	4.7	1	20, 30	0.300	720(576)	1000(800)	E
LVS252010D-5R6□-N	5.6	1	20, 30	0.360	650(520)	950(760)	F
LVS252010D-6R8□-N	6.8	1	20, 30	0.440	600(480)	900(720)	G
LVS252010D-100□-N	10	1	20, 30	0.605	520(416)	800(640)	H
LVS252010D-220□-N	22	1	20, 30	1.500	340(272)	500(400)	I

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- Packaging: Clear tape and reel {standard}.
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

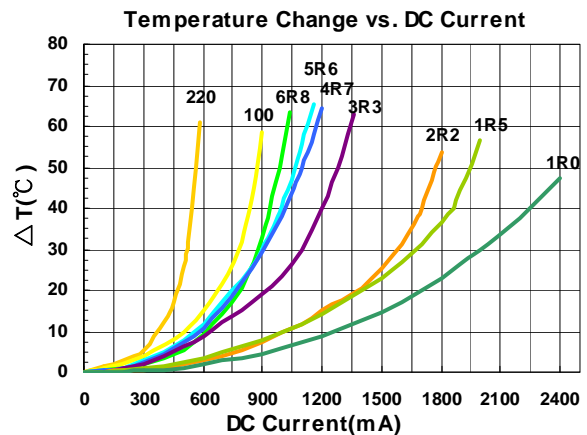
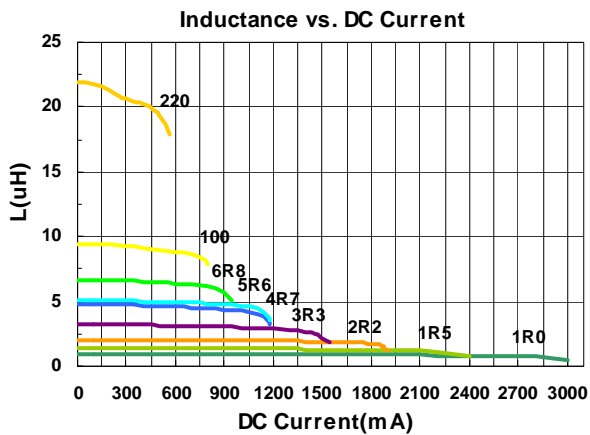


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS252012-1R0□-N	1.0	1	20, 30	0.105	2800(2240)	2200(1760)	A
LVS252012-1R5□-N	1.5	1	20, 30	0.153	2200(1760)	1860(1488)	B
LVS252012-2R2□-N	2.2	1	20, 30	0.219	1800(1440)	1700(1360)	C
LVS252012-3R3□-N	3.3	1	20, 30	0.349	1300(1040)	1200(960)	D
LVS252012-4R7□-N	4.7	1	20, 30	0.507	1100(880)	1040(832)	E
LVS252012-5R6□-N	5.6	1	20, 30	0.525	1100(880)	1000(800)	F
LVS252012-6R8□-N	6.8	1	20, 30	0.760	940(752)	940(752)	G
LVS252012-100□-N	10	1	20, 30	0.915	820(656)	840(672)	H
LVS252012-220□-N	22	1	20, 30	2.110	550(440)	540(432)	I

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

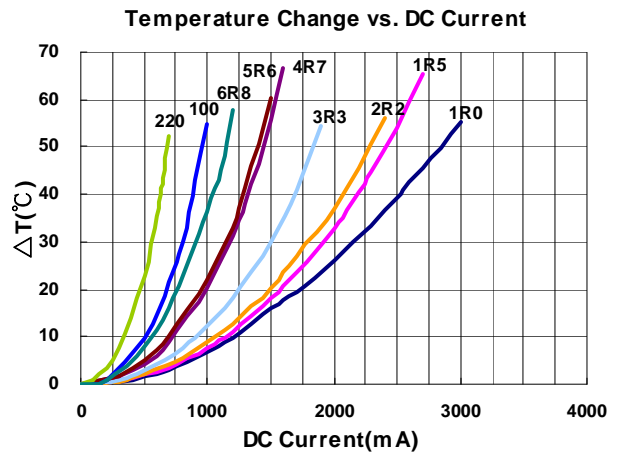
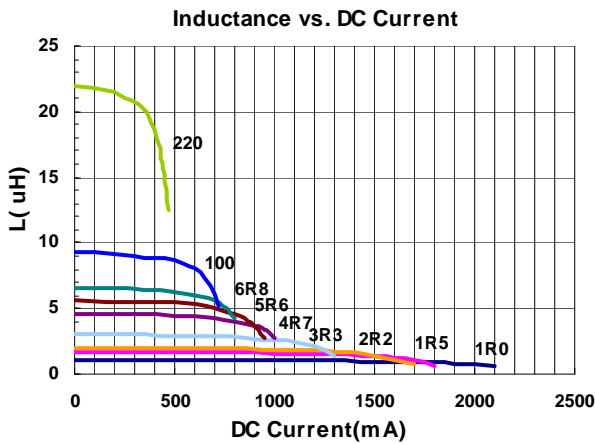


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS252012D-1R0□-N	1.0	1	20, 30	0.068	1700(1360)	2500(2000)	A
LVS252012D-1R5□-N	1.5	1	20, 30	0.096	1400(1120)	2200(1760)	B
LVS252012D-2R2□-N	2.2	1	20, 30	0.104	1300(1040)	2100(1680)	C
LVS252012D-3R3□-N	3.3	1	20, 30	0.173	900(720)	1500(1200)	D
LVS252012D-4R7□-N	4.7	1	20, 30	0.260	850(680)	1300(1040)	E
LVS252012D-5R6□-N	5.6	1	20, 30	0.292	780(624)	1200(960)	F
LVS252012D-6R8□-N	6.8	1	20, 30	0.400	670(536)	1000(800)	G
LVS252012D-100□-N	10	1	20, 30	0.500	580(464)	850(680)	H
LVS252012D-220□-N	22	1	20, 30	1.150	370(296)	600(480)	I
LVS252012D-330□-N	33	1	20, 30	1.500	350(280)	520(416)	J

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

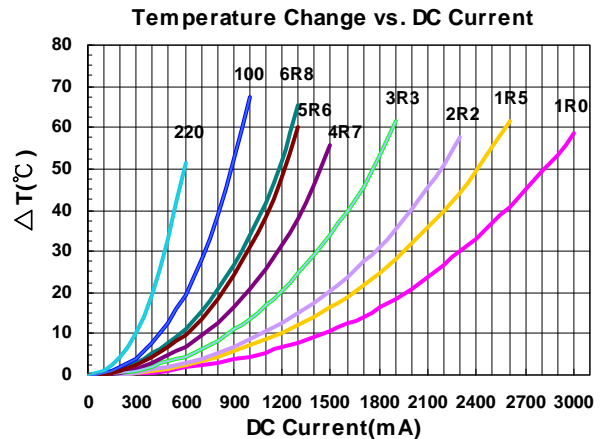
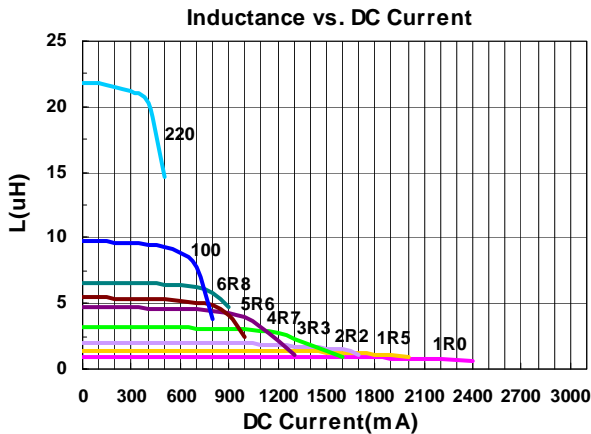


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS252012L-1R0□-N	1.0	1	20, 30	0.075	2300(1840)	2700(2160)	A
LVS252012L-1R5□-N	1.5	1	20, 30	0.114	1900(1520)	2500(2000)	B
LVS252012L-2R2□-N	2.2	1	20, 30	0.138	1600(1280)	2100(1680)	C
LVS252012L-3R3□-N	3.3	1	20, 30	0.215	1300(1040)	1700(1360)	D
LVS252012L-4R7□-N	4.7	1	20, 30	0.312	1000(800)	1400(1120)	E
LVS252012L-5R6□-N	5.6	1	20, 30	0.393	920(736)	990(792)	F
LVS252012L-6R8□-N	6.8	1	20, 30	0.466	890(712)	960(768)	G
LVS252012L-100□-N	10	1	20, 30	0.702	730(584)	820(656)	H
LVS252012L-220□-N	22	1	20, 30	1.470	490(392)	540(432)	I

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

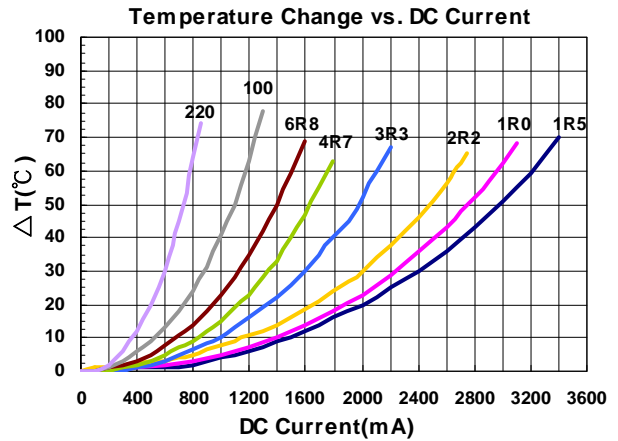
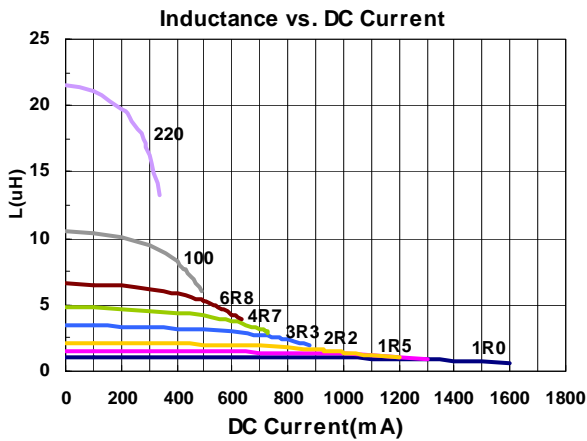


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS303010-1R0□-N	1.0	1	20, 30	0.063	1300(1040)	2400(1920)	1R0
LVS303010-1R5□-N	1.5	1	20, 30	0.077	1100(880)	2200(1760)	1R5
LVS303010-2R2□-N	2.2	1	20, 30	0.087	960(768)	2000(1600)	2R2
LVS303010-3R3□-N	3.3	1	20, 30	0.127	780(624)	1600(1280)	3R3
LVS303010-4R7□-N	4.7	1	20, 30	0.186	650(520)	1300(1040)	4R7
LVS303010-6R8□-N	6.8	1	20, 30	0.253	560(448)	1000(800)	6R8
LVS303010-100□-N	10	1	20, 30	0.353	430(344)	880(704)	100
LVS303010-220□-N	22	1	20, 30	0.693	310(248)	580(464)	220
LVS303010-221□-N	220	1	20, 30	6.500	82(65)	180(144)	221

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat & I rms : Agilent/HP4284A, 1MHz 200mV
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Test Instruments : HP4284A Material/Impedance Analyzer

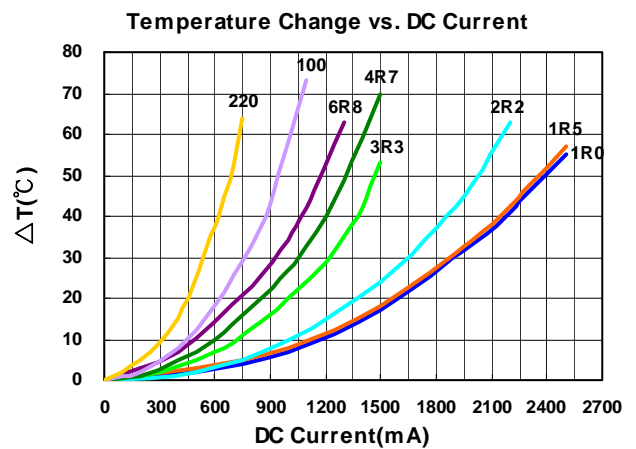
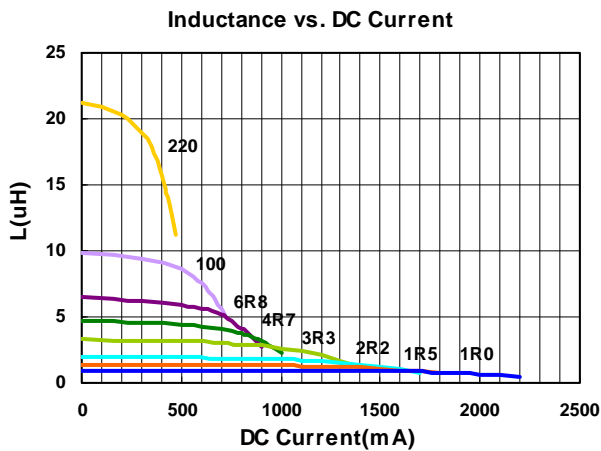


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS303010H-1R0□-N	1.0	1	20, 30	0.060	1800(1440)	2200(1760)	1R0
LVS303010H-1R5□-N	1.5	1	20, 30	0.075	1600(1280)	2100(1680)	1R5
LVS303010H-2R2□-N	2.2	1	20, 30	0.095	1400(1120)	1900(1520)	2R2
LVS303010H-3R3□-N	3.3	1	20, 30	0.140	1000(800)	1300(1040)	3R3
LVS303010H-4R7□-N	4.7	1	20, 30	0.190	850(680)	1200(960)	4R7
LVS303010H-6R8□-N	6.8	1	20, 30	0.275	720(576)	1000(800)	6R8
LVS303010H-100□-N	10	1	20, 30	0.440	610(488)	860(688)	100
LVS303010H-220□-N	22	1	20, 30	0.800	420(336)	620(496)	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

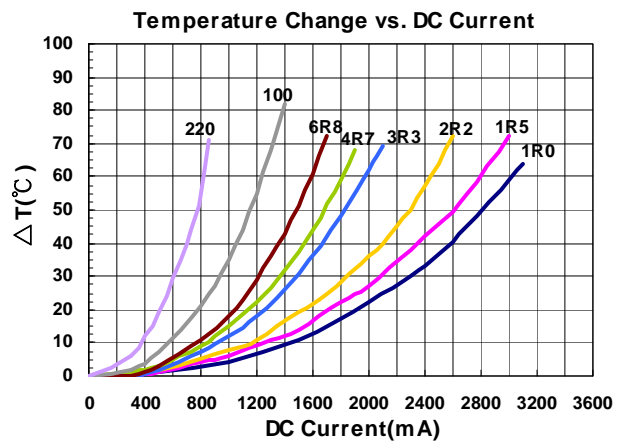
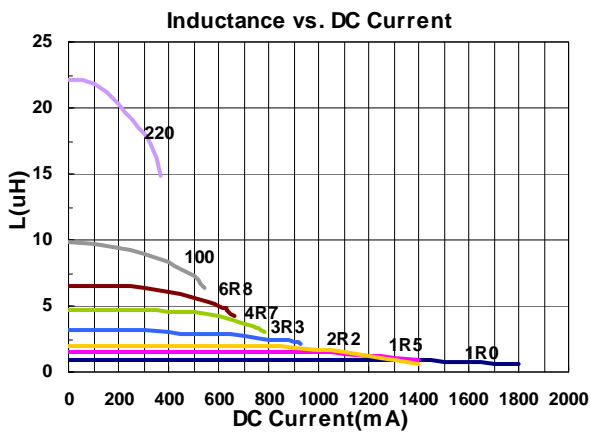


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω ±30%)	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS303012-1R0□-N	1.0	1	20, 30	0.048	1600(1280)	2500(2000)	1R0
LVS303012-1R5□-N	1.5	1	20, 30	0.063	1200(960)	2300(1840)	1R5
LVS303012-2R2□-N	2.2	1	20, 30	0.076	1100(880)	2000(1600)	2R2
LVS303012-3R3□-N	3.3	1	20, 30	0.102	900(720)	1600(1280)	3R3
LVS303012-4R7□-N	4.7	1	20, 30	0.136	750(600)	1500(1200)	4R7
LVS303012-6R8□-N	6.8	1	20, 30	0.182	630(504)	1300(1040)	6R8
LVS303012-100□-N	10	1	20, 30	0.275	520(416)	1000(800)	100
LVS303012-220□-N	22	1	20, 30	0.594	350(280)	650(520)	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

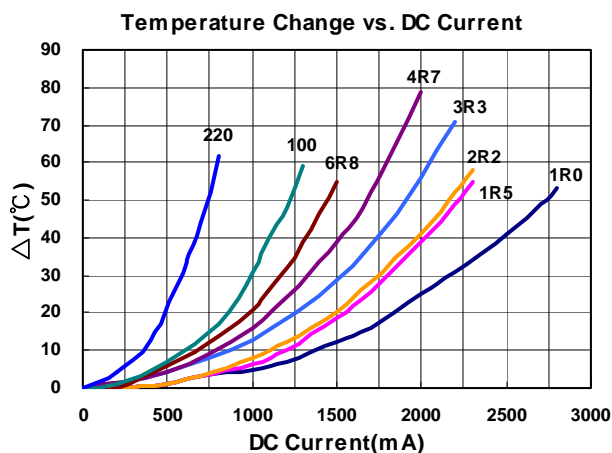
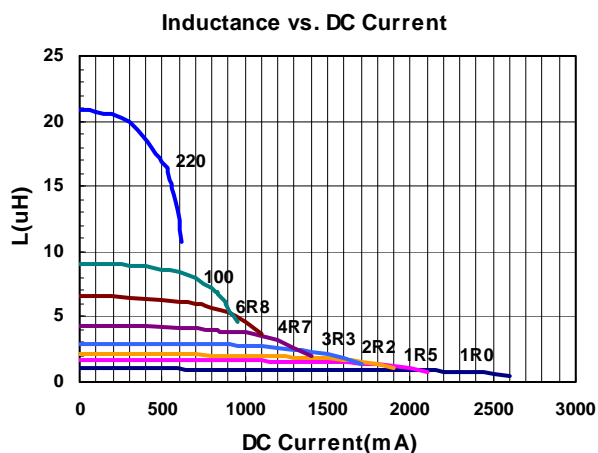


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS303012H-1R0□-N	1.0	1	20,30	0.056	1900(1520)	2100(1680)	1R0
LVS303012H-1R5□-N	1.5	1	20,30	0.065	1500(1200)	1850(1480)	1R5
LVS303012H-2R2□-N	2.2	1	20,30	0.080	1400(1120)	1800(1440)	2R2
LVS303012H-3R3□-N	3.3	1	20,30	0.100	1100(880)	1600(1280)	3R3
LVS303012H-4R7□-N	4.7	1	20,30	0.130	990(792)	1400(1120)	4R7
LVS303012H-6R8□-N	6.8	1	20,30	0.190	850(680)	1200(960)	6R8
LVS303012H-100□-N	10	1	20,30	0.270	720(576)	1000(800)	100
LVS303012H-220□-N	22	1	20,30	0.600	450(344)	630(504)	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & I rms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- I rms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

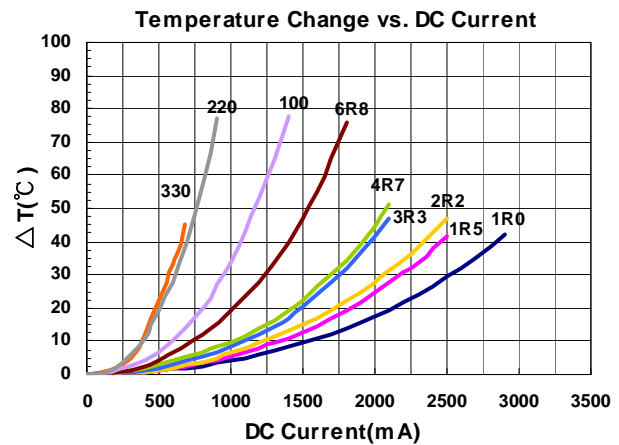
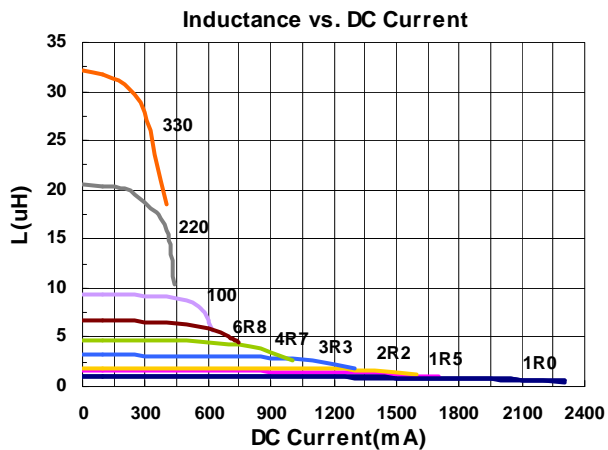


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω ±30%)	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS303015-1R0□-N	1.0	1	20, 30	0.056	2000(1600)	2800(2240)	1R0
LVS303015-1R5□-N	1.5	1	20, 30	0.074	1600(1280)	2400(1920)	1R5
LVS303015-2R2□-N	2.2	1	20, 30	0.079	1200(960)	2300(1840)	2R2
LVS303015-3R3□-N	3.3	1	20, 30	0.105	1000(800)	1900(1520)	3R3
LVS303015-4R7□-N	4.7	1	20, 30	0.130	900(720)	1600(1280)	4R7
LVS303015-6R8□-N	6.8	1	20, 30	0.165	730(584)	1300(1040)	6R8
LVS303015-100□-N	10	1	20, 30	0.206	600(480)	1000(800)	100
LVS303015-220□-N	22	1	20, 30	0.501	420(336)	650(520)	220
LVS303015-330□-N	33	1	20, 30	0.600	330(264)	600(480)	330

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat & I rms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- I rms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

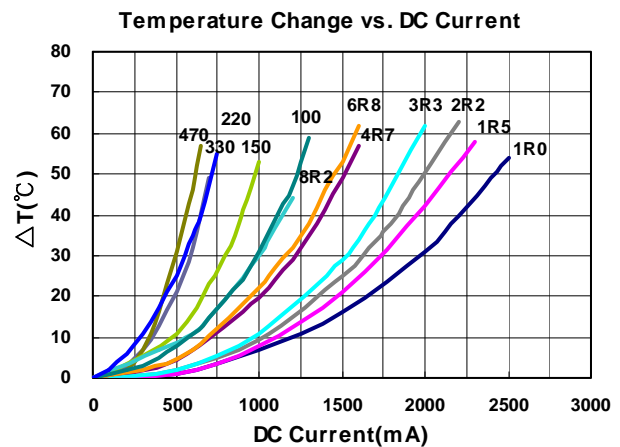
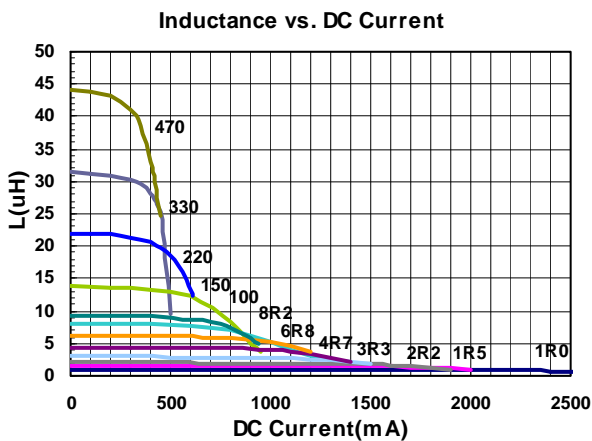


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω ±30%)	Isat (mA) Typ. (Max)	Irms (mA) Typ. (Max)	Marking
LVS303015H-1R0□-N	1.0	1	20, 30	0.053	2000(1600)	2100(1680)	1R0
LVS303015H-1R5□-N	1.5	1	20, 30	0.070	1600(1280)	1900(1520)	1R5
LVS303015H-2R2□-N	2.2	1	20, 30	0.075	1500(1200)	1800(1440)	2R2
LVS303015H-3R3□-N	3.3	1	20, 30	0.095	1100(880)	1600(1280)	3R3
LVS303015H-4R7□-N	4.7	1	20, 30	0.117	990(792)	1400(1120)	4R7
LVS303015H-6R8□-N	6.8	1	20, 30	0.160	900(720)	1200(960)	6R8
LVS303015H-8R2□-N	8.2	1	20, 30	0.200	800(640)	1100(880)	8R2
LVS303015H-100□-N	10	1	20, 30	0.220	720(576)	1000(800)	100
LVS303015H-150□-N	15	1	20, 30	0.290	680(544)	850(680)	150
LVS303015H-220□-N	22	1	20, 30	0.530	480(384)	620(496)	220
LVS303015H-330□-N	33	1	20, 30	0.670	460(368)	500(400)	330
LVS303015H-470□-N	47	1	20, 30	0.960	380(304)	400(320)	470

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer



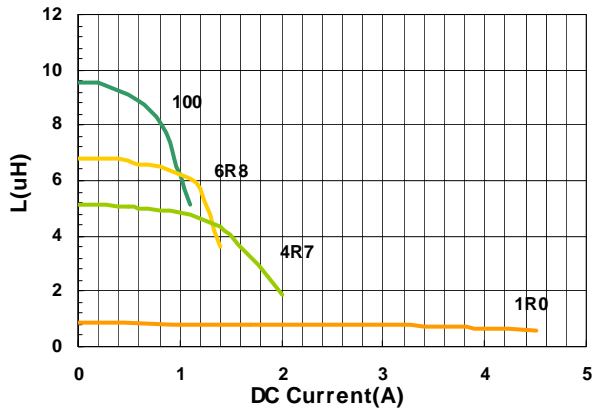
Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS404010-1R0□-N	1.0	100	30	60	3.6(2.88)	2(1.60)	1R0
LVS404010-4R7□-N	4.7	100	20, 30	220	1.4(1.12)	1(0.80)	4R7
LVS404010-6R8□-N	6.8	100	20, 30	360	1.1(0.88)	0.7(0.56)	6R8
LVS404010-100□-N	10	100	20, 30	430	1.0(0.80)	0.65(0.52)	100

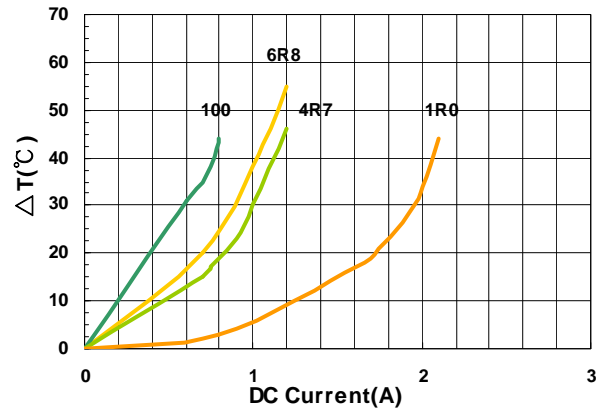
- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A , 100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

Inductance vs. DC Current



Temperature Change vs. DC Current



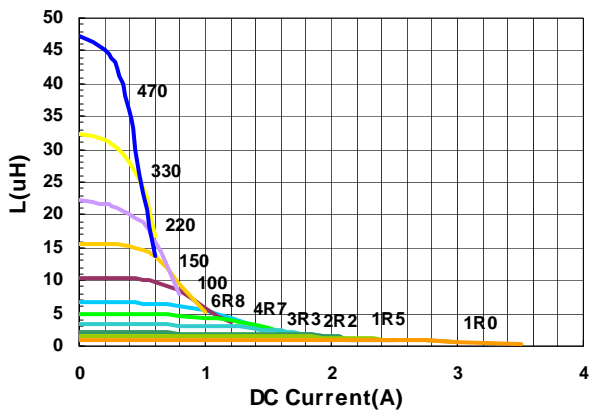
Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS404012-1R0□-N	1.0	100	30	48	2.50(2.00)	1.70(1.36)	1R0
LVS404012-1R5□-N	1.5	100	30	58	2.10(1.68)	1.60(1.28)	1R5
LVS404012-2R2□-N	2.2	100	20, 30	65	1.70(1.33)	1.50(1.20)	2R2
LVS404012-3R3□-N	3.3	100	20, 30	90	1.30(1.04)	1.40(1.12)	3R3
LVS404012-4R7□-N	4.7	100	20, 30	110	1.10(0.88)	1.20(0.96)	4R7
LVS404012-6R8□-N	6.8	100	20, 30	135	0.90(0.72)	1.05(0.84)	6R8
LVS404012-100□-N	10	100	20, 30	190	0.78(0.62)	0.90(0.72)	100
LVS404012-150□-N	15	100	20, 30	250	0.65(0.52)	0.85(0.68)	150
LVS404012-220□-N	22	100	20, 30	400	0.52(0.41)	0.75(0.60)	220
LVS404012-330□-N	33	100	20, 30	600	0.44(0.35)	0.70(0.56)	330
LVS404012-470□-N	47	100	20, 30	930	0.35(0.28)	0.50(0.40)	470

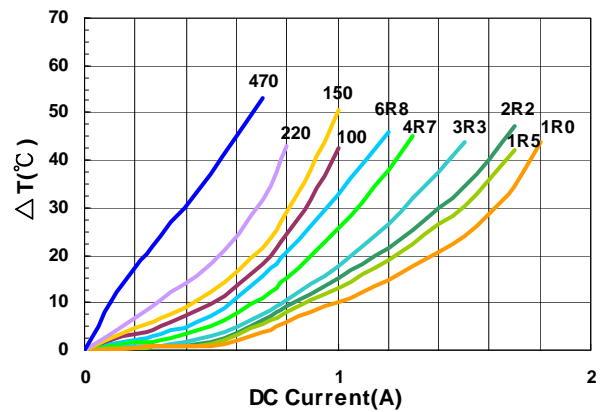
- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A , 100KHz with 1V.
- Isat & I rms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat for Inductance drop 30% from its value without current.
- I rms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

Inductance vs. DC Current



Temperature Change vs. DC Current

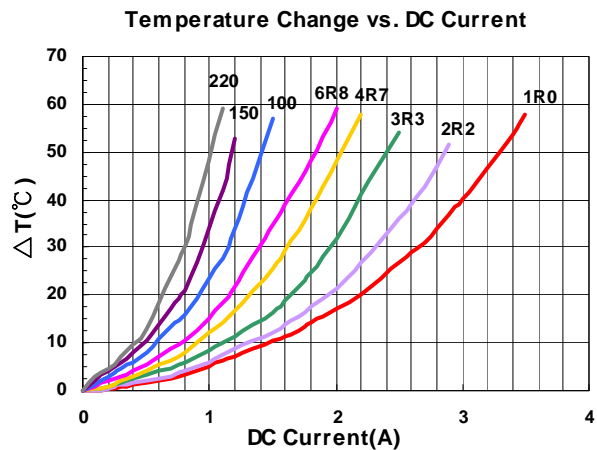
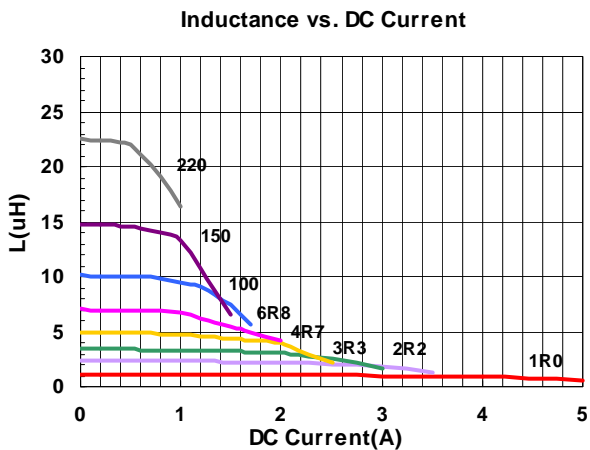


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±20%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS404018-1R0□-N	1.0	100	20, 30	32	4.10(3.28)	2.80(2.24)	1R0
LVS404018-1R5□-N	1.5	100	20, 30	40	3.30(2.64)	2.60(2.08)	1R5
LVS404018-2R2□-N	2.2	100	20, 30	60	2.80(2.24)	2.50(2.00)	2R2
LVS404018-2R3□-N	2.3	100	20, 30	60	2.80(2.24)	2.50(2.00)	2R3
LVS404018-3R3□-N	3.3	100	20, 30	70	2.20(1.76)	2.10(1.68)	3R3
LVS404018-3R6□-N	3.6	100	20, 30	75	2.10(1.68)	1.90(1.52)	3R6
LVS404018-3R9□-N	3.9	100	20, 30	75	2.10(1.68)	1.90(1.52)	3R9
LVS404018-4R7□-N	4.7	100	20, 30	90	2.00(1.60)	1.70(1.36)	4R7
LVS404018-6R8□-N	6.8	100	20, 30	110	1.60(1.28)	1.50(1.20)	6R8
LVS404018-100□-N	10	100	20, 30	170	1.40(1.12)	1.20(0.96)	100
LVS404018-150□-N	15	100	20, 30	250	1.00(0.80)	1.00(0.80)	150
LVS404018-220□-N	22	100	20, 30	350	0.90(0.72)	0.85(0.68)	220
LVS404018-330□-N	33	100	20, 30	530	0.80(0.64)	0.70(0.56)	330
LVS404018-470□-N	47	100	20, 30	720	0.70(0.56)	0.56(0.44)	470
LVS404018-680□-N	68	100	20, 30	1000	0.56(0.44)	0.45(0.36)	680
LVS404018-101□-N	100	100	20, 30	1500	0.46(0.36)	0.38(0.30)	101
LVS404018-151□-N	150	100	20, 30	2500	0.35(0.28)	0.30(0.24)	151
LVS404018-221□-N	220	100	20, 30	4000	0.28(0.22)	0.23(0.18)	221

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A ,100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

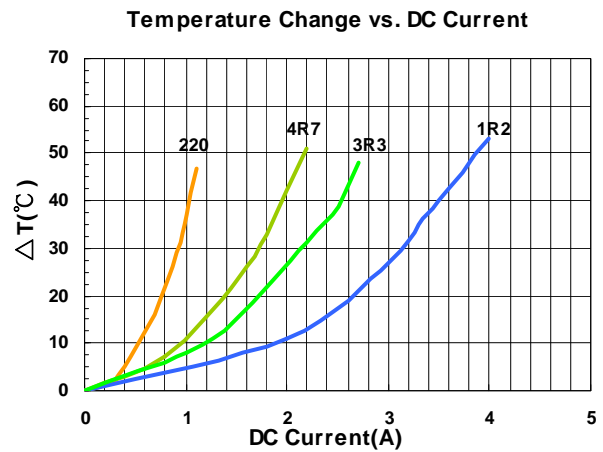
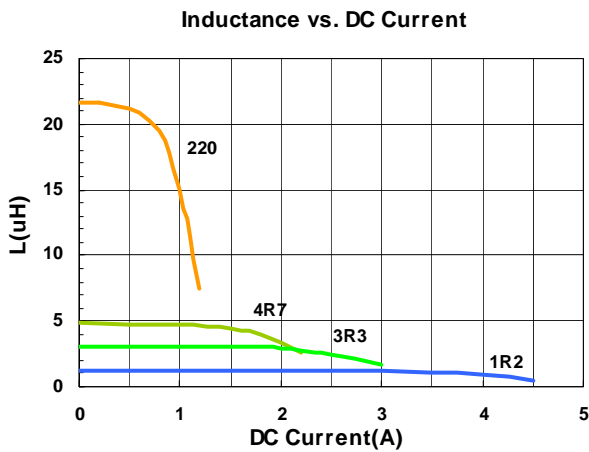


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS404026-1R2□-N	1.2	100	20, 30	30	3.50(2.80)	3.30(2.64)	1R2
LVS404026-3R3□-N	3.3	100	20, 30	45	2.50(2.00)	2.50(2.00)	3R3
LVS404026-4R7□-N	4.7	100	20, 30	60	1.80(1.44)	1.80(1.44)	4R7
LVS404026-220□-N	22	100	20, 30	230	0.86(0.68)	1.00(0.80)	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A , 100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

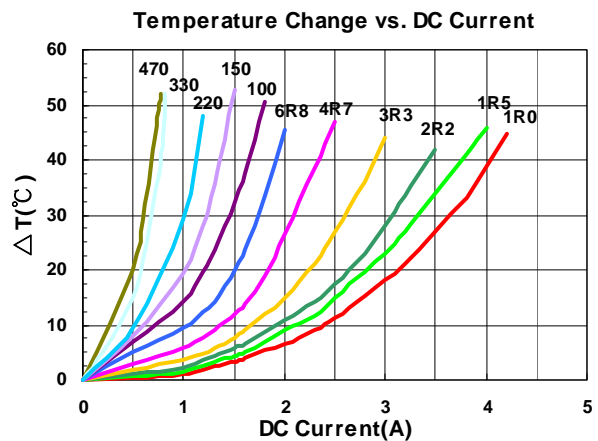
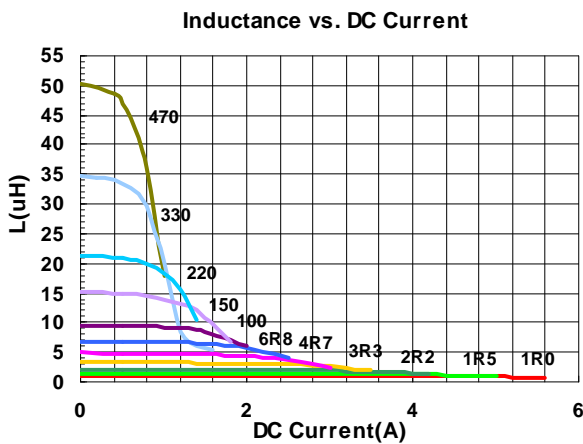


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±20%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS505020-1R0□-N	1.0	100	30	21	5.1(4.08)	4.0(3.20)	1R0
LVS505020-1R2□-N	1.2	100	30	21	4.8(3.84)	3.8(3.04)	1R2
LVS505020-1R5□-N	1.5	100	30	26	4.2(3.36)	3.5(2.80)	1R5
LVS505020-2R2□-N	2.2	100	20, 30	35	3.4(2.72)	3.2(2.56)	2R2
LVS505020-3R3□-N	3.3	100	20, 30	48	3.0(2.40)	2.8(2.24)	3R3
LVS505020-4R7□-N	4.7	100	20, 30	60	2.2(1.76)	2.2(1.76)	4R7
LVS505020-5R6□-N	5.6	100	20, 30	82	2.05(1.64)	2.0(1.60)	5R6
LVS505020-6R8□-N	6.8	100	20, 30	90	2.0(1.60)	1.8(1.44)	6R8
LVS505020-100□-N	10	100	20, 30	120	1.6(1.28)	1.6(1.28)	100
LVS505020-150□-N	15	100	20, 30	190	1.3(1.04)	1.2(0.96)	150
LVS505020-220□-N	22	100	20, 30	260	1.0(0.80)	1.0(0.80)	220
LVS505020-330□-N	33	100	20, 30	460	0.8(0.64)	0.75(0.60)	330
LVS505020-470□-N	47	100	20, 30	580	0.65(0.52)	0.65(0.52)	470

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A ,100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

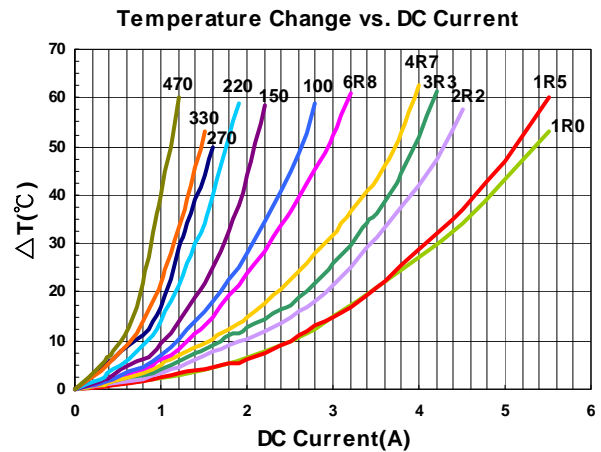
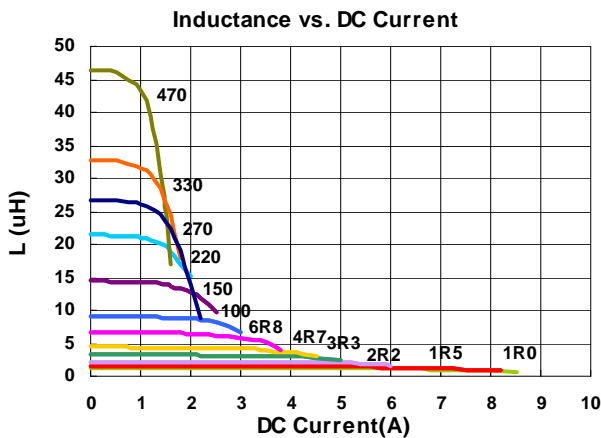


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS505040-1R0□-N	1.0	100	30	14	7.5(6.00)	4.6(3.68)	1R0
LVS505040-1R2□-N	1.2	100	30	15	7.4(5.92)	4.5(3.60)	1R2
LVS505040-1R5□-N	1.5	100	30	16	7.1(5.68)	4.4(3.52)	1R5
LVS505040-2R2□-N	2.2	100	20, 30	21	5.7(4.56)	3.7(2.96)	2R2
LVS505040-3R3□-N	3.3	100	20, 30	26	4.8(3.84)	3.5(2.80)	3R3
LVS505040-4R7□-N	4.7	100	20, 30	32	4.2(3.36)	3.2(2.56)	4R7
LVS505040-6R8□-N	6.8	100	20, 30	50	3.3(2.64)	2.4(1.92)	6R8
LVS505040-100□-N	10	100	20, 30	60	2.8(2.24)	2.2(1.76)	100
LVS505040-150□-N	15	100	20, 30	90	2.3(1.84)	1.8(1.44)	150
LVS505040-220□-N	22	100	20, 30	135	1.8(1.44)	1.4(1.12)	220
LVS505040-270□-N	27	100	20, 30	180	1.6(1.28)	1.2(0.96)	270
LVS505040-330□-N	33	100	20, 30	190	1.5(1.20)	1.1(0.88)	330
LVS505040-470□-N	47	100	20, 30	310	1.2(0.96)	0.9(0.72)	470

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A ,100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

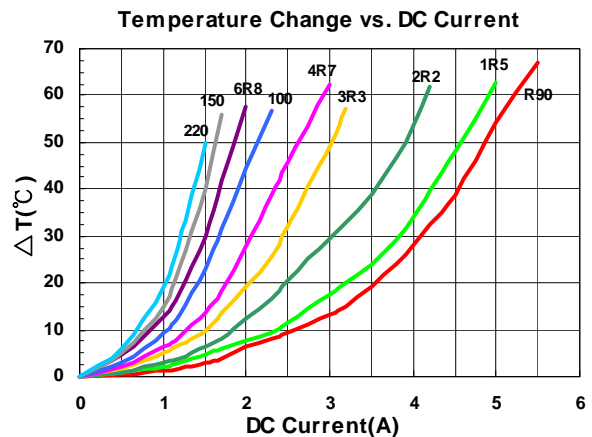
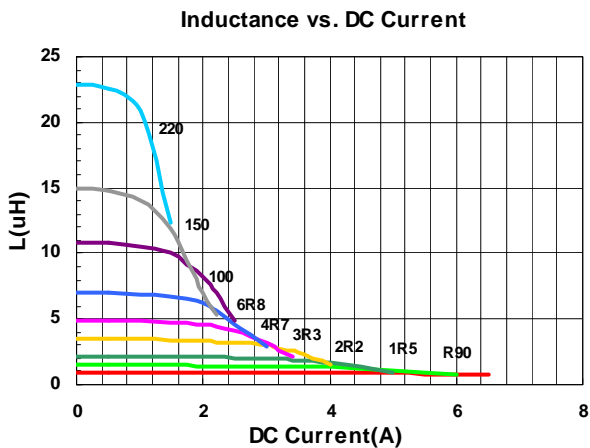


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS606020-R50□-N	0.5	100	30	13	8.0(6.40)	5.3(4.24)	R50
LVS606020-R90□-N	0.9	100	30	18	6.3(5.04)	4.2(3.36)	R90
LVS606020-1R0□-N	1.0	100	30	19	6.2(4.96)	4.1(3.28)	1R0
LVS606020-1R5□-N	1.5	100	20, 30	26	5.0(4.00)	3.6(2.88)	1R5
LVS606020-2R2□-N	2.2	100	20, 30	34	4.2(3.36)	3.2(2.56)	2R2
LVS606020-3R3□-N	3.3	100	20, 30	40	3.2(2.56)	2.7(2.16)	3R3
LVS606020-4R7□-N	4.7	100	20, 30	58	2.5(2.00)	2.2(1.76)	4R7
LVS606020-6R8□-N	6.8	100	20, 30	85	2.2(1.76)	1.8(1.44)	6R8
LVS606020-100□-N	10	100	20, 30	125	2.0(1.60)	1.6(1.28)	100
LVS606020-150□-N	15	100	20, 30	190	1.3(1.04)	1.3(1.04)	150
LVS606020-220□-N	22	100	20, 30	260	1.1(0.88)	1.1(0.88)	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A , 100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

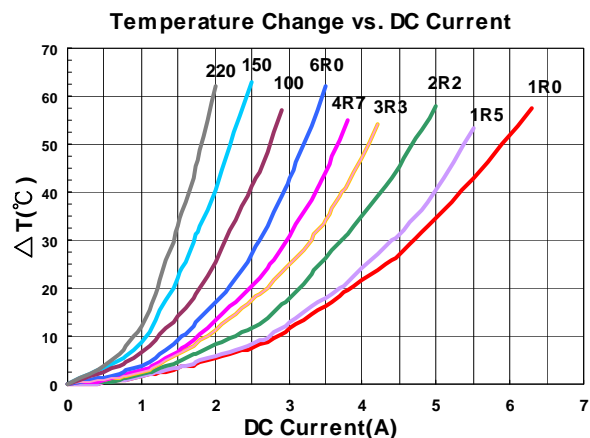
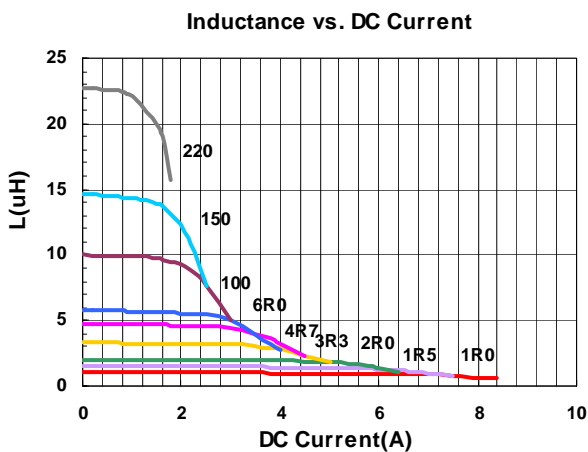


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS606028-1R0□-N	1.0	100	30	13	7.6(6.08)	5.2(4.16)	1R0
LVS606028-1R5□-N	1.5	100	30	16	6.3(5.04)	4.8(3.84)	1R5
LVS606028-2R2□-N	2.2	100	20, 30	20	5.4(4.32)	4.0(3.20)	2R2
LVS606028-2R7□-N	2.7	100	20, 30	26	4.9(3.92)	3.7(2.96)	2R7
LVS606028-3R3□-N	3.3	100	20, 30	28	4.3(3.44)	3.5(2.80)	3R3
LVS606028-4R7□-N	4.7	100	20, 30	38	3.7(2.96)	3.2(2.56)	4R7
LVS606028-6R0□-N	6.0	100	20, 30	45	3.3(2.64)	2.8(2.24)	6R0
LVS606028-6R8□-N	6.8	100	20, 30	50	3.1(2.48)	2.7(2.16)	6R8
LVS606028-100□-N	10	100	20, 30	65	2.5(2.00)	2.3(1.84)	100
LVS606028-150□-N	15	100	20, 30	95	2.0(1.60)	1.8(1.44)	150
LVS606028-220□-N	22	100	20, 30	135	1.6(1.28)	1.5(1.20)	220
LVS606028-330□-N	33	100	20, 30	220	1.3(1.04)	1.4(1.12)	330
LVS606028-470□-N	47	100	20, 30	320	1.1(0.88)	1.0(0.80)	470
LVS606028-680□-N	68	100	20, 30	420	0.98(0.78)	0.9(0.72)	680
LVS606028-101□-N	100	100	20, 30	600	0.82(0.65)	0.8(0.64)	101

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A , 100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer



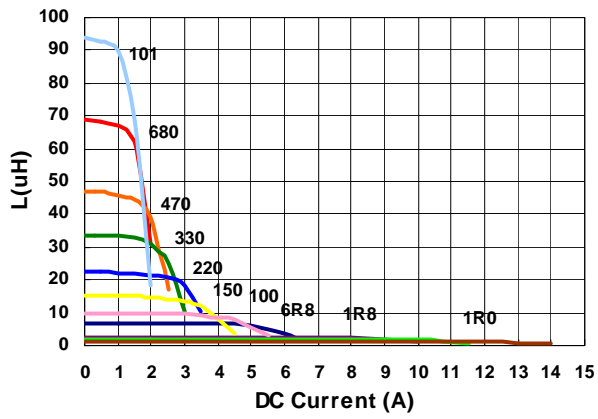
Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS606045-1R0□-N	1.0	100	20, 30	12	12.2(9.76)	6.5(5.20)	1R0
LVS606045-1R5□-N	1.5	100	30	15	10.4(8.32)	5.9(4.72)	1R5
LVS606045-1R8□-N	1.8	100	20, 30	17	9.6(7.68)	5.6(4.48)	1R8
LVS606045-2R2□-N	2.2	100	20, 30	18.4	8.8(7.04)	5.1(4.08)	2R2
LVS606045-2R3□-N	2.3	100	20, 30	19	8.8(7.04)	5.0(4.00)	2R3
LVS606045-3R0□-N	3.0	100	20, 30	22	7.8(6.24)	4.4(3.52)	3R0
LVS606045-3R3□-N	3.3	100	20, 30	24	7.5(6.00)	4.3(3.44)	3R3
LVS606045-3R6□-N	3.6	100	20, 30	24	7.5(6.00)	4.3(3.44)	3R6
LVS606045-3R9□-N	3.9	100	20, 30	26	7.0(5.60)	4.0(3.20)	3R9
LVS606045-4R5□-N	4.5	100	20, 30	31	6.7(5.36)	3.9(3.12)	4R5
LVS606045-4R7□-N	4.7	100	20, 30	31	6.7(5.36)	3.9(3.12)	4R7
LVS606045-5R1□-N	5.1	100	20, 30	33	6.0(4.80)	3.5(2.80)	5R1
LVS606045-6R3□-N	6.3	100	20, 30	40	5.5(4.40)	3.3(2.64)	6R3
LVS606045-6R8□-N	6.8	100	20, 30	43	5.3(4.24)	3.2(2.56)	6R8
LVS606045-100□-N	10	100	20, 30	57	4.5(3.60)	2.7(2.16)	100
LVS606045-150□-N	15	100	20, 30	80	3.4(2.72)	2.2(1.76)	150
LVS606045-180□-N	18	100	20, 30	100	3.1(2.48)	1.8(1.44)	180
LVS606045-220□-N	22	100	20, 30	125	3.0(2.40)	1.9(1.52)	220
LVS606045-270□-N	27	100	20, 30	160	2.5(2.00)	1.3(1.04)	270
LVS606045-330□-N	33	100	20, 30	165	2.3(1.84)	1.4(1.12)	330
LVS606045-470□-N	47	100	20, 30	245	1.9(1.52)	1.2(0.96)	470
LVS606045-680□-N	68	100	20, 30	330	1.6(1.28)	1.0(0.80)	680
LVS606045-101□-N	100	100	20, 30	500	1.3(1.04)	0.8(0.64)	101
LVS606045-331□-N	330	100	20, 30	1800	0.7(0.56)	0.35(0.28)	331
LVS606045-102□-N	1000	100	20, 30	6000	0.4(0.32)	0.22(0.17)	102

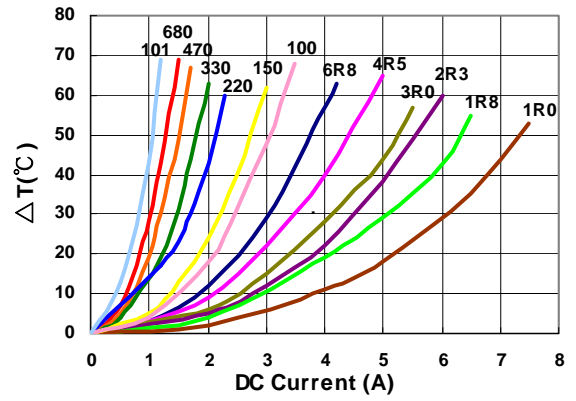
- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A , 100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

Inductance vs. DC Current



Temperature Change vs. DC Current

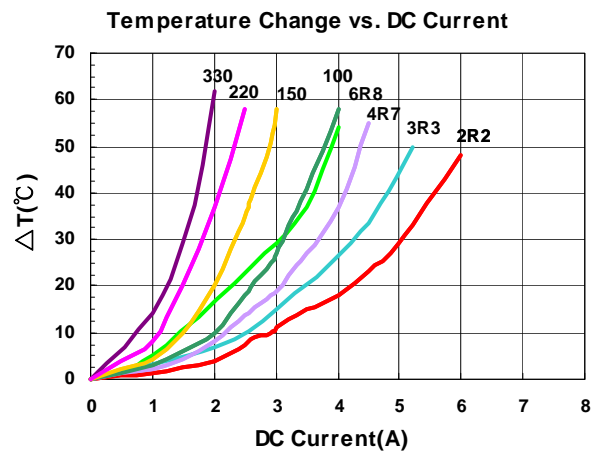
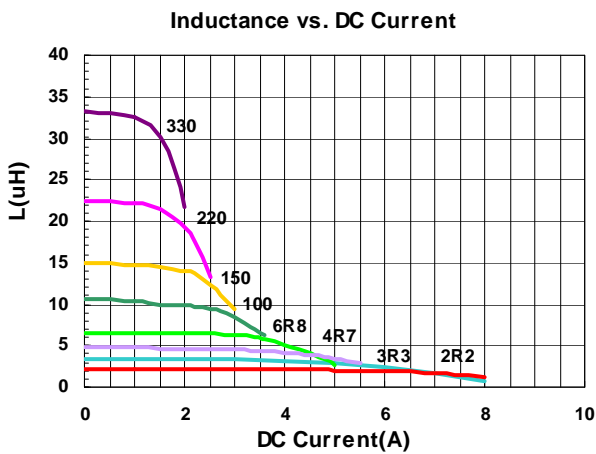


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) Max	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS606045L-R50□-N	0.5	100	30	9	11(8.80)	8.0(6.40)	R50
LVS606045L-2R2□-N	2.2	100	20, 30	17	6.8(5.44)	5.5(4.40)	2R2
LVS606045L-3R3□-N	3.3	100	20, 30	24	5.5(4.40)	4.7(3.76)	3R3
LVS606045L-4R7□-N	4.7	100	20, 30	30	4.6(3.68)	4.0(3.20)	4R7
LVS606045L-6R8□-N	6.8	100	20, 30	40	4.0(3.20)	3.5(2.80)	6R8
LVS606045L-100□-N	10	100	20, 30	50	3.2(2.56)	3.2(2.56)	100
LVS606045L-150□-N	15	100	20, 30	80	2.6(2.08)	2.5(2.00)	150
LVS606045L-220□-N	22	100	20, 30	120	2.1(1.68)	2.0(1.60)	220
LVS606045L-330□-N	33	100	20, 30	170	1.7(1.36)	1.6(1.28)	330

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A , 100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

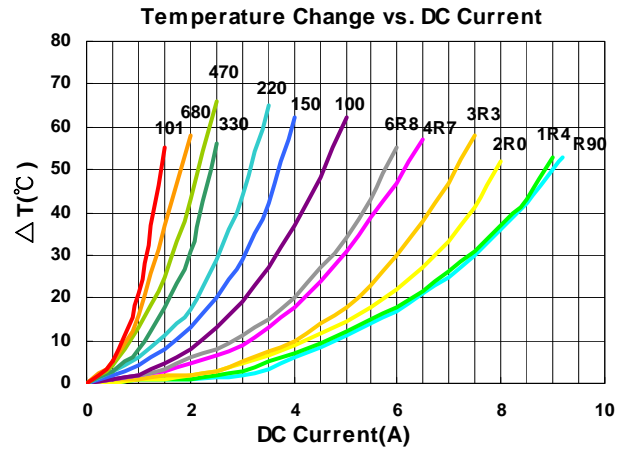
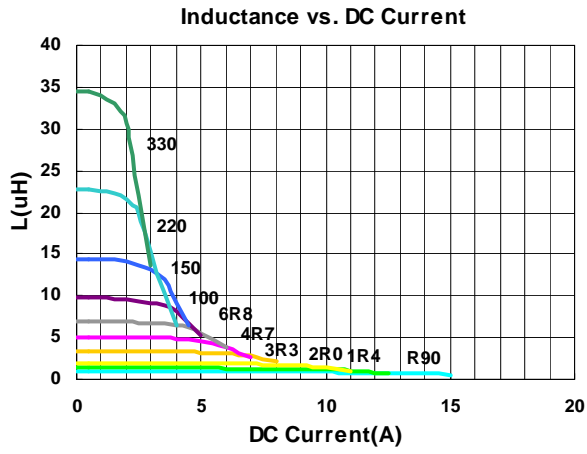


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A) Typ. (Max)	Irms (A) Typ. (Max)	Marking
LVS808040-R90□-N	0.9	100	30	7	13.8(11.0)	8.05(6.44)	R90
LVS808040-1R0□-N	1.0	100	30	7.5	13.0(10.4)	7.95(6.36)	1R0
LVS808040-1R4□-N	1.4	100	30	9	10.8(8.64)	7.8(6.24)	1R4
LVS808040-1R5□-N	1.5	100	30	9.5	10.08(8.00)	7.7(6.16)	1R5
LVS808040-2R0□-N	2.0	100	20, 30	11	9.6(7.68)	7.4(5.92)	2R0
LVS808040-2R2□-N	2.2	100	20, 30	11.5	9.2(7.36)	7.2(5.76)	2R2
LVS808040-2R5□-N	2.5	100	20, 30	13	8.2(6.56)	6.3(5.04)	2R5
LVS808040-3R3□-N	3.3	100	20, 30	15	7.5(6.00)	6.0(4.80)	3R3
LVS808040-4R7□-N	4.7	100	20, 30	18	6.0(4.80)	5.5(4.40)	4R7
LVS808040-5R6□-N	5.6	100	20, 30	23	5.7(4.56)	5.2(4.16)	5R6
LVS808040-6R8□-N	6.8	100	20, 30	25	5.4(4.32)	5.1(4.08)	6R8
LVS808040-100□-N	10	100	20, 30	38	4.3(3.44)	3.8(3.04)	100
LVS808040-120□-N	12	100	20, 30	45	3.8(3.04)	3.5(2.80)	120
LVS808040-150□-N	15	100	20, 30	50	3.6(2.88)	3.2(2.56)	150
LVS808040-180□-N	18	100	20, 30	68	3.1(2.48)	2.7(2.16)	180
LVS808040-220□-N	22	100	20, 30	80	2.8(2.24)	2.6(2.08)	220
LVS808040-330□-N	33	100	20, 30	110	2.3(1.84)	2.0(1.60)	330
LVS808040-470□-N	47	100	20, 30	160	1.9(1.52)	1.75(1.40)	470
LVS808040-680□-N	68	100	20, 30	240	1.7(1.36)	1.45(1.16)	680
LVS808040-101□-N	100	100	20, 30	340	1.4(1.12)	1.10(0.88)	101
LVS808040-121□-N	120	100	20, 30	425	1.1(0.88)	1.0(0.80)	121
LVS808040-151□-N	150	100	20, 30	480	1.0(0.80)	0.9(0.72)	151
LVS808040-221□-N	220	100	20, 30	670	0.94(0.75)	0.60(0.48)	221
LVS808040-271□-N	270	100	20, 30	900	0.83(0.66)	0.55(0.44)	271
LVS808040-821□-N	820	100	20, 30	2800	0.40(0.32)	0.38(0.30)	821

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4284A+ Agilent/HP16334A, 100KHz ,1V.
- RDC : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat & Irms : Agilent/HP4284A, 100KHz ,1V.
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4284A Material/Impedance Analyzer

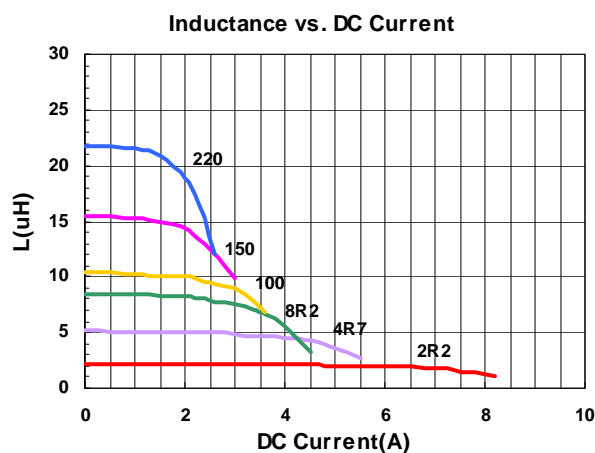
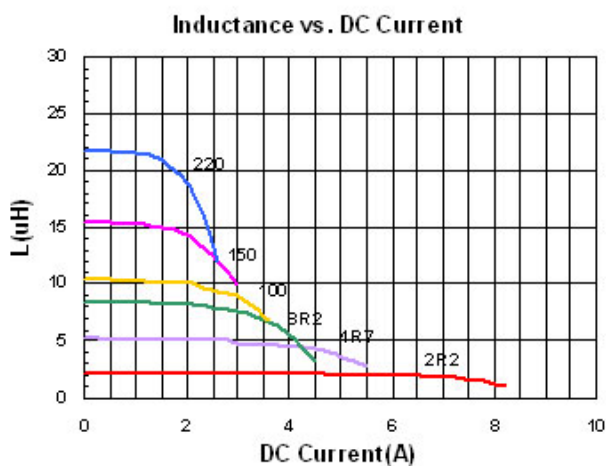


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) Max	Isat (A)Typ.	Irms (A)Typ.	Marking
LVS808040L-1R0□-N	1.0	100	30	10	9.5	8.5	1R0
LVS808040L-2R2□-N	2.2	100	20,30	12	7.2	7.3	2R2
LVS808040L-4R7□-N	4.7	100	20,30	22	4.4	5.0	4R7
LVS808040L-8R2□-N	8.2	100	20,30	37	3.6	3.8	8R2
LVS808040L-100□-N	10	100	20,30	42	3.1	3.5	100
LVS808040L-150□-N	15	100	20,30	58	2.5	3.0	150
LVS808040L-220□-N	22	100	20,30	85	2.0	2.5	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4284A+ Agilent/HP16334A, 100KHz ,1V.
- RDC : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat & Irms : Agilent/HP4284A, 100KHz ,1V.
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

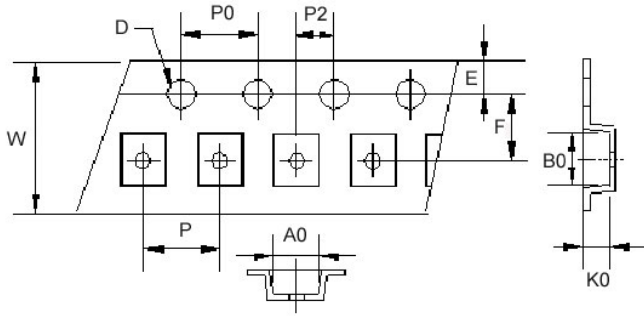
Test Instruments : HP4284A Material/Impedance Analyzer



Packaging Specifications

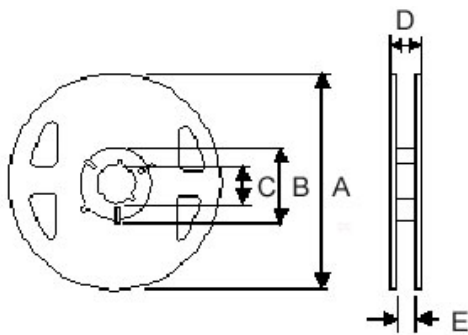
Tape Dimensions

Figure 1



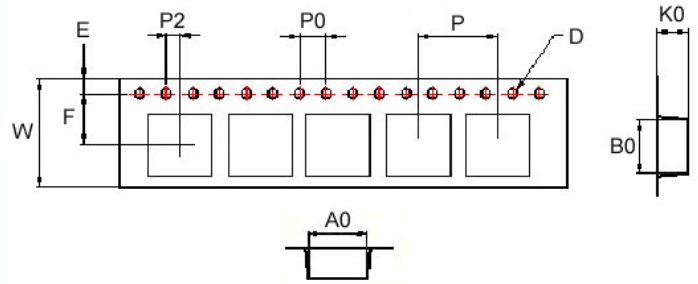
Reel Dimensions

Figure 1



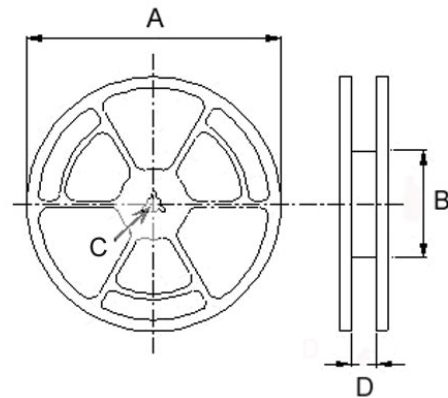
Tape Dimensions

Figure 2



Reel Dimensions

Figure 2



Dimensions in mm

TYPE	Fig	Tape Dimensions										Reel Dimensions					Quantity PCS / Reel
		A0	B0	K0	D	E	F	W	P	P0	P2	A	B	C	D	E	
LVS201610	1	1.80	2.20	1.15	1.55	1.75	3.5	8.1	4	4	2	180	60	13	14.4	8.4	2000
LVS252010	1	2.30	2.70	1.15	1.55	1.75	3.5	8.1	4	4	2	180	60	13	14.4	8.4	2000
LVS252012	1	2.30	2.70	1.30	1.55	1.75	3.5	8.1	4	4	2	180	60	13	14.4	8.4	2000
LVS303010	1	3.20	3.20	1.40	1.55	1.75	3.5	8.0	4	4	2	180	60	13	14.4	8.4	2000
LVS303012	1	3.20	3.20	1.40	1.55	1.75	3.5	8.0	4	4	2	180	60	13	14.4	8.4	2000
LVS303015	1	3.30	3.30	1.70	1.55	1.75	3.5	8.0	4	4	2	180	60	13	14.4	8.4	2000
LVS404010	2	4.25	4.25	1.30	1.55	1.75	5.5	12	8	4	2	180	60	13	13.2	-	1000
LVS404012	2	4.25	4.25	1.30	1.55	1.75	5.5	12	8	4	2	180	60	13	13.2	-	1000
LVS404018	2	4.25	4.25	2.10	1.55	1.75	5.5	12	8	4	2	180	60	13	13.2	-	800
LVS505020	2	5.30	5.30	2.20	1.55	1.75	5.5	12	8	4	2	330	100	13	17.4	-	2000
LVS505040	2	5.30	5.30	4.40	1.55	1.75	5.5	12	8	4	2	330	100	13	17.4	-	1500
LVS606020	2	6.20	6.20	2.00	1.55	1.75	7.5	16	12	4	2	330	100	13	17.4	-	2000
LVS606028	2	6.20	6.20	3.50	1.55	1.75	7.5	16	12	4	2	330	100	13	17.4	-	1500
LVS606045	2	6.50	6.50	4.70	1.55	1.75	7.5	16	12	4	2	330	100	13	17.4	-	1000
LVS808040	2	8.50	8.50	4.30	1.55	1.75	7.5	16	12	4	2	330	100	13	17.4	-	1000