

On-Board Type Coils / Inductors



SMD Type Power Inductors SSL Series

SSL Series

Shielded Power Inductor.



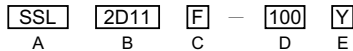
■ Features

1. Excellent solderability and high heat resistance.
2. Low cost and packed in embossed carrier tape.
3. The products contain no lead and also support lead-free soldering.

■ Applications

Ideal use in notebook, hard disk and other electronic equipment.

■ Lead Free Part Numbering



- A : Series
- B : Dimension A x C
- C : Lead Free Code
- D : Inductance 100=10uH
- E : Inductance Tolerance M=±20%, Y=±30%

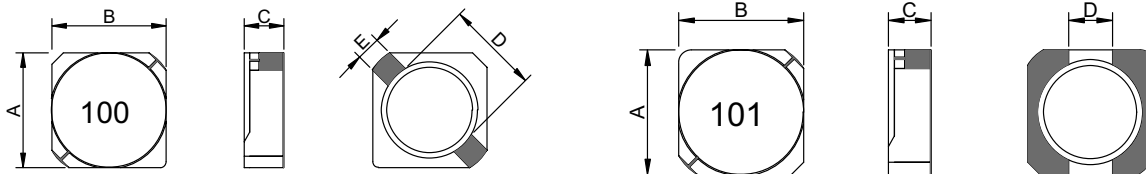
● 特徵

1. 絕佳的焊錫性及耐熱性。
2. 低成本，捲軸包裝。
3. 產品無鉛適合無鉛焊錫。

● 應用

適用於筆記型電腦、硬式磁碟機及其他電子設備。

■ Dimensions



SSL2D/3D Series

SSL4D/5D/6D Series

Chip size					
Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SSL 2D11	3.2 max.	3.2 max.	1.3 max.	2.1 typ.	1.0 typ.
SSL 2D14	3.2 max.	3.2 max.	1.6 max.	2.1 typ.	1.0 typ.
SSL 2D18	3.2 max.	3.2 max.	2.0 max.	2.1 typ.	1.0 typ.
SSL 3D16	4.0 max.	4.0 max.	1.9 max.	2.8 typ.	1.1 typ.
SSL 4D18	5.0 max.	5.0 max.	2.0 max.	1.5 typ.	-
SSL 4D28	5.0 max.	5.0 max.	3.0 max.	1.5 typ.	-
SSL 5D18	6.0 max.	6.0 max.	2.0 max.	2.0 typ.	-
SSL 5D28	6.0 max.	6.0 max.	3.0 max.	2.0 typ.	-
SSL 6D28	7.0 max.	7.0 max.	3.0 max.	2.0 typ.	-
SSL 6D38	7.0 max.	7.0 max.	4.0 max.	2.0 typ.	-

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■ SSL 2D11 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	I sat (A) max.	I rms (A) typ.
SSL 2D11-1R5Y	1.5 \pm 30%	0.1V/100K	0.068	0.90	1.48
SSL 2D11-2R2Y	2.2 \pm 30%	0.1V/100K	0.098	0.78	1.27
SSL 2D11-3R3Y	3.3 \pm 30%	0.1V/100K	0.123	0.60	1.02
SSL 2D11-4R7Y	4.7 \pm 30%	0.1V/100K	0.170	0.50	0.88
SSL 2D11-6R8Y	6.8 \pm 30%	0.1V/100K	0.260	0.44	0.78
SSL 2D11-100Y	10.0 \pm 30%	0.1V/100K	0.400	0.35	0.65

■ SSL 2D14 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	I sat (A) max.	I rms (A) typ.
SSL 2D14-1R5Y	1.5 \pm 30%	0.1V/100K	0.063	1.80	2.00
SSL 2D14-1R8Y	1.8 \pm 30%	0.1V/100K	0.075	1.65	1.80
SSL 2D14-2R2Y	2.2 \pm 30%	0.1V/100K	0.094	1.50	1.60
SSL 2D14-2R7Y	2.7 \pm 30%	0.1V/100K	0.106	1.35	1.40
SSL 2D14-3R3Y	3.3 \pm 30%	0.1V/100K	0.125	1.20	1.24
SSL 2D14-3R9Y	3.9 \pm 30%	0.1V/100K	0.138	1.10	1.12
SSL 2D14-4R7Y	4.7 \pm 30%	0.1V/100K	0.169	1.00	1.00
SSL 2D14-5R6Y	5.6 \pm 30%	0.1V/100K	0.188	0.95	0.98
SSL 2D14-6R8Y	6.8 \pm 30%	0.1V/100K	0.213	0.85	0.92
SSL 2D14-8R2Y	8.2 \pm 30%	0.1V/100K	0.281	0.80	0.80
SSL 2D14-100Y	10.0 \pm 30%	0.1V/100K	0.294	0.70	0.76
SSL 2D14-120Y	12.0 \pm 30%	0.1V/100K	0.394	0.62	0.64

■ SSL 2D18 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	I sat (A) max.	I rms (A) typ.
SSL 2D18-2R2Y	2.2 \pm 30%	0.1V/100K	0.041	0.85	2.30
SSL 2D18-3R3Y	3.3 \pm 30%	0.1V/100K	0.054	0.75	2.10
SSL 2D18-4R7Y	4.7 \pm 30%	0.1V/100K	0.078	0.63	1.65
SSL 2D18-6R8Y	6.8 \pm 30%	0.1V/100K	0.106	0.52	1.32
SSL 2D18-100Y	10.0 \pm 30%	0.1V/100K	0.180	0.43	1.00
SSL 2D18-150Y	15.0 \pm 30%	0.1V/100K	0.220	0.35	0.80
SSL 2D18-220Y	22.0 \pm 30%	0.1V/100K	0.320	0.30	0.68
SSL 2D18-330Y	33.0 \pm 30%	0.1V/100K	0.460	0.24	0.56
SSL 2D18-470Y	47.0 \pm 30%	0.1V/100K	0.660	0.20	0.48

Note:

- (1) Inductance is measured by LCR-meter 4284A(HP) or equivalent.
- (2) DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- (3) Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK).
- (4) Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the initial value of inductance has fallen by 35%, whichever is smaller.

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■ SSL 3D16 Series

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) max.	I sat (A) max.	I rms (A) typ.
SSL 3D16-3R3Y	3.3±30%	0.1V/100K	0.066	0.80	2.00
SSL 3D16-3R9Y	3.9±30%	0.1V/100K	0.081	0.75	1.75
SSL 3D16-4R7Y	4.7±30%	0.1V/100K	0.091	0.68	1.72
SSL 3D16-5R6Y	5.6±30%	0.1V/100K	0.102	0.62	1.64
SSL 3D16-6R8Y	6.8±30%	0.1V/100K	0.130	0.58	1.30
SSL 3D16-8R2Y	8.2±30%	0.1V/100K	0.140	0.51	1.28
SSL 3D16-100Y	10±30%	0.1V/100K	0.190	0.46	1.07
SSL 3D16-120Y	12±30%	0.1V/100K	0.205	0.42	0.98
SSL 3D16-150Y	15±30%	0.1V/100K	0.272	0.38	0.87
SSL 3D16-180Y	18±30%	0.1V/100K	0.327	0.34	0.76
SSL 3D16-220Y	22±30%	0.1V/100K	0.356	0.31	0.66
SSL 3D16-270Y	27±30%	0.1V/100K	0.470	0.28	0.60
SSL 3D16-330Y	33±30%	0.1V/100K	0.560	0.26	0.55
SSL 3D16-390Y	39±30%	0.1V/100K	0.700	0.24	0.47
SSL 3D16-470Y	47±30%	0.1V/100K	0.775	0.21	0.45

■ SSL 4D18 Series

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A) max.
SSL 4D18-1R0Y	1.0±30%	0.1V/100K	0.045	1.72
SSL 4D18-2R2Y	2.2±30%	0.1V/100K	0.075	1.32
SSL 4D18-2R7Y	2.7±30%	0.1V/100K	0.105	1.28
SSL 4D18-3R3Y	3.3±30%	0.1V/100K	0.110	1.04
SSL 4D18-3R9Y	3.9±30%	0.1V/100K	0.155	0.88
SSL 4D18-4R7Y	4.7±30%	0.1V/100K	0.162	0.84
SSL 4D18-5R6Y	5.6±30%	0.1V/100K	0.170	0.80
SSL 4D18-6R8Y	6.8±30%	0.1V/100K	0.200	0.76
SSL 4D18-8R2Y	8.2±30%	0.1V/100K	0.245	0.68
SSL 4D18-100Y	10±30%	0.1V/100K	0.200	0.61
SSL 4D18-120Y	12±30%	0.1V/100K	0.210	0.56
SSL 4D18-150Y	15±30%	0.1V/100K	0.240	0.50
SSL 4D18-180Y	18±30%	0.1V/100K	0.338	0.48
SSL 4D18-220Y	22±30%	0.1V/100K	0.397	0.41
SSL 4D18-270Y	27±30%	0.1V/100K	0.441	0.35
SSL 4D18-330Y	33±30%	0.1V/100K	0.694	0.32
SSL 4D18-390Y	39±30%	0.1V/100K	0.709	0.30
SSL 4D18-470Y	47±30%	0.1V/100K	0.922	0.28
SSL 4D18-560Y	56±30%	0.1V/100K	1.080	0.26
SSL 4D18-680Y	68±30%	0.1V/100K	1.300	0.24
SSL 4D18-820Y	82±30%	0.1V/100K	1.550	0.22
SSL 4D18-101Y	100±30%	0.1V/100K	1.730	0.20

Note:

- (1) Inductance is measured by LCR-meter 4284A(HP) or equivalent.
- (2) DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- (3) Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK).
- (4) Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the initial value of inductance has fallen by 35%, whichever is smaller.

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■ SSL 4D28 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A) max.
SSL 4D28-1R2Y	1.2±30%	0.1V/100K	0.024	2.56
SSL 4D28-1R8Y	1.8±30%	0.1V/100K	0.028	2.20
SSL 4D28-2R2Y	2.2±30%	0.1V/100K	0.031	2.04
SSL 4D28-2R7Y	2.7±30%	0.1V/100K	0.043	1.60
SSL 4D28-3R3Y	3.3±30%	0.1V/100K	0.049	1.57
SSL 4D28-3R9Y	3.9±30%	0.1V/100K	0.065	1.44
SSL 4D28-4R7Y	4.7±30%	0.1V/100K	0.072	1.32
SSL 4D28-5R6Y	5.6±30%	0.1V/100K	0.101	1.17
SSL 4D28-6R8Y	6.8±30%	0.1V/100K	0.109	1.12
SSL 4D28-8R2Y	8.2±30%	0.1V/100K	0.118	1.04
SSL 4D28-100Y	10±30%	0.1V/100K	0.128	1.00
SSL 4D28-120Y	12±30%	0.1V/100K	0.132	0.84
SSL 4D28-150Y	15±30%	0.1V/100K	0.149	0.76
SSL 4D28-180Y	18±30%	0.1V/100K	0.166	0.72
SSL 4D28-220Y	22±30%	0.1V/100K	0.235	0.70
SSL 4D28-270Y	27±30%	0.1V/100K	0.261	0.58
SSL 4D28-330Y	33±30%	0.1V/100K	0.378	0.56
SSL 4D28-390Y	39±30%	0.1V/100K	0.384	0.50
SSL 4D28-680Y	68±30%	0.1V/100K	0.699	0.35
SSL 4D28-820Y	82±30%	0.1V/100K	0.915	0.32
SSL 4D28-101Y	100±30%	0.1V/100K	1.020	0.29
SSL 4D28-121M	120±20%	0.1V/100K	1.270	0.27
SSL 4D28-151M	150±20%	0.1V/100K	1.350	0.24
SSL 4D28-181M	180±20%	0.1V/100K	1.540	0.22
SSL 4D28-221M	220±20%	0.1V/100K	1.720	0.20
SSL 4D28-271M	270±20%	0.1V/100K	1.950	0.16
SSL 4D28-331M	330±20%	0.1V/100K	2.660	0.14
SSL 4D28-391M	390±20%	0.1V/100K	2.830	0.13

■ SSL 5D18 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A) max.
SSL 5D18-4R1Y	4.1±30%	0.1V/10K	0.057	1.95
SSL 5D18-5R4Y	5.4±30%	0.1V/10K	0.076	1.60
SSL 5D18-6R2Y	6.2±30%	0.1V/10K	0.096	1.40
SSL 5D18-8R9Y	8.9±30%	0.1V/10K	0.116	1.25
SSL 5D18-100Y	10.0±30%	0.1V/10K	0.124	1.20
SSL 5D18-120Y	12.0±30%	0.1V/10K	0.153	1.10
SSL 5D18-150Y	15.0±30%	0.1V/10K	0.196	0.97
SSL 5D18-180Y	18.0±30%	0.1V/10K	0.210	0.85
SSL 5D18-220Y	22.0±30%	0.1V/10K	0.290	0.80
SSL 5D18-270Y	27.0±30%	0.1V/10K	0.330	0.75
SSL 5D18-330Y	33.0±30%	0.1V/10K	0.386	0.65
SSL 5D18-390Y	39.0±30%	0.1V/10K	0.520	0.57
SSL 5D18-470Y	47.0±30%	0.1V/10K	0.595	0.54
SSL 5D18-560Y	56.0±30%	0.1V/10K	0.665	0.50
SSL 5D18-680Y	68.0±30%	0.1V/10K	0.840	0.43
SSL 5D18-820Y	82.0±30%	0.1V/10K	0.978	0.41
SSL 5D18-101Y	100±30%	0.1V/10K	1.200	0.36
SSL 5D18-121M	120±20%	0.1V/10K	1.500	0.33
SSL 5D18-151M	150±20%	0.1V/10K	1.710	0.31
SSL 5D18-181M	180±20%	0.1V/10K	2.240	0.28
SSL 5D18-221M	220±20%	0.1V/10K	2.440	0.23
SSL 5D18-331M	330±20%	0.1V/10K	4.340	0.18

Note:

- (1) Inductance is measured by LCR-meter 4284A(HP) or equivalent.
- (2) DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- (3) Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK).
- (4) Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the initial value of inductance has fallen by 35%, whichever is smaller.

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■ **SSL 5D28 Series**

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A) max.
SSL 5D28-2R6Y	2.6±30%	0.1V/10K	0.018	2.60
SSL 5D28-3R0Y	3.0±30%	0.1V/10K	0.024	2.40
SSL 5D28-4R2Y	4.2±30%	0.1V/10K	0.031	2.20
SSL 5D28-5R3Y	5.3±30%	0.1V/10K	0.038	1.90
SSL 5D28-6R2Y	6.2±30%	0.1V/10K	0.045	1.80
SSL 5D28-8R2Y	8.2±30%	0.1V/10K	0.053	1.60
SSL 5D28-100Y	10±30%	0.1V/10K	0.065	1.30
SSL 5D28-120Y	12±30%	0.1V/10K	0.076	1.20
SSL 5D28-150Y	15±30%	0.1V/10K	0.103	1.10
SSL 5D28-180Y	18±30%	0.1V/10K	0.110	1.00
SSL 5D28-220Y	22±30%	0.1V/10K	0.122	0.90
SSL 5D28-270Y	27±30%	0.1V/10K	0.175	0.85
SSL 5D28-330Y	33±30%	0.1V/10K	0.189	0.75
SSL 5D28-390Y	39±30%	0.1V/10K	0.212	0.70
SSL 5D28-470Y	47±30%	0.1V/10K	0.260	0.62
SSL 5D28-560Y	56±30%	0.1V/10K	0.305	0.58
SSL 5D28-680Y	68±30%	0.1V/10K	0.355	0.52
SSL 5D28-820Y	82±30%	0.1V/10K	0.463	0.46
SSL 5D28-101Y	100±30%	0.1V/10K	0.520	0.42
SSL 5D28-121M	120±20%	0.1V/10K	0.560	0.40
SSL 5D28-151M	150±20%	0.1V/10K	0.680	0.35
SSL 5D28-181M	180±20%	0.1V/10K	0.930	0.32
SSL 5D28-221M	220±20%	0.1V/10K	1.150	0.30
SSL 5D28-271M	270±20%	0.1V/10K	1.560	0.27
SSL 5D28-331M	330±20%	0.1V/10K	1.980	0.25
SSL 5D28-391M	390±20%	0.1V/10K	2.500	0.22
SSL 5D28-471M	470±20%	0.1V/10K	2.700	0.20
SSL 5D28-561M	560±20%	0.1V/10K	3.120	0.18
SSL 5D28-681M	680±20%	0.1V/10K	4.150	0.16

Note:

- (1) Inductance is measured by LCR-meter 4284A(HP) or equivalent.
- (2) DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- (3) Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK).
- (4) Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the initial value of inductance has fallen by 35%, whichever is smaller.

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■ **SSL 6D28 Series**

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A) max.
SSL 6D28-3R0Y	3.0±30%	0.1V/10K	0.024	3.00
SSL 6D28-3R9Y	3.9±30%	0.1V/10K	0.027	2.60
SSL 6D28-5R0Y	5.0±30%	0.1V/10K	0.031	2.40
SSL 6D28-6R0Y	6.0±30%	0.1V/10K	0.035	2.25
SSL 6D28-7R3Y	7.3±30%	0.1V/10K	0.054	2.10
SSL 6D28-8R6Y	8.6±30%	0.1V/10K	0.058	1.85
SSL 6D28-100Y	10±30%	0.1V/10K	0.065	1.70
SSL 6D28-120Y	12±30%	0.1V/10K	0.070	1.55
SSL 6D28-150Y	15±30%	0.1V/10K	0.084	1.40
SSL 6D28-180Y	18±30%	0.1V/10K	0.095	1.32
SSL 6D28-220Y	22±30%	0.1V/10K	0.128	1.20
SSL 6D28-270Y	27±30%	0.1V/10K	0.142	1.05
SSL 6D28-330Y	33±30%	0.1V/10K	0.165	0.97
SSL 6D28-390Y	39±30%	0.1V/10K	0.210	0.86
SSL 6D28-470Y	47±30%	0.1V/10K	0.238	0.80
SSL 6D28-560Y	56±30%	0.1V/10K	0.277	0.73
SSL 6D28-680Y	68±30%	0.1V/10K	0.304	0.65
SSL 6D28-820Y	82±30%	0.1V/10K	0.390	0.60
SSL 6D28-101Y	100±30%	0.1V/10K	0.535	0.54
SSL 6D28-121M	120±20%	0.1V/10K	0.750	0.51
SSL 6D28-151M	150±20%	0.1V/10K	0.950	0.47
SSL 6D28-181M	180±20%	0.1V/10K	1.200	0.41
SSL 6D28-221M	220±20%	0.1V/10K	1.500	0.37
SSL 6D28-271M	270±20%	0.1V/10K	1.700	0.33
SSL 6D28-331M	330±20%	0.1V/10K	2.150	0.28
SSL 6D28-391M	390±20%	0.1V/10K	2.250	0.27
SSL 6D28-471M	470±20%	0.1V/10K	3.150	0.21
SSL 6D28-561M	560±20%	0.1V/10K	3.750	0.20
SSL 6D28-681M	680±20%	0.1V/10K	5.150	0.20

Note:

- (1) Inductance is measured by LCR-meter 4284A(HP) or equivalent.
- (2) DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- (3) Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK).
- (4) Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the initial value of inductance has fallen by 35%, whichever is smaller.

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■ **SSL 6D38 Series**

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A) max.
SSL 6D38-3R3Y	3.3±30%	0.1V/10K	0.020	3.5
SSL 6D38-5R0Y	5.0±30%	0.1V/10K	0.024	2.9
SSL 6D38-6R2Y	6.2±30%	0.1V/10K	0.027	2.5
SSL 6D38-7R4Y	7.4±30%	0.1V/10K	0.031	2.3
SSL 6D38-8R7Y	8.7±30%	0.1V/10K	0.034	2.2
SSL 6D38-100Y	10±30%	0.1V/10K	0.038	2.0
SSL 6D38-120Y	12±30%	0.1V/10K	0.053	1.7
SSL 6D38-150Y	15±30%	0.1V/10K	0.057	1.6
SSL 6D38-180Y	18±30%	0.1V/10K	0.092	1.5
SSL 6D38-220Y	22±30%	0.1V/10K	0.096	1.3
SSL 6D38-270Y	27±30%	0.1V/10K	0.109	1.2
SSL 6D38-330Y	33±30%	0.1V/10K	0.124	1.1
SSL 6D38-390Y	39±30%	0.1V/10K	0.138	1.0
SSL 6D38-470Y	47±30%	0.1V/10K	0.155	0.95
SSL 6D38-560Y	56±30%	0.1V/10K	0.202	0.85
SSL 6D38-680Y	68±30%	0.1V/10K	0.234	0.75
SSL 6D38-820Y	82±30%	0.1V/10K	0.324	0.70
SSL 6D38-101Y	100±30%	0.1V/10K	0.358	0.65
SSL 6D38-121M	120±20%	0.1V/10K	0.470	0.59
SSL 6D38-151M	150±20%	0.1V/10K	0.580	0.54
SSL 6D38-181M	180±20%	0.1V/10K	0.690	0.49
SSL 6D38-221M	220±20%	0.1V/10K	0.890	0.43
SSL 6D38-271M	270±20%	0.1V/10K	1.290	0.40
SSL 6D38-331M	330±20%	0.1V/10K	1.700	0.37
SSL 6D38-391M	390±20%	0.1V/10K	1.750	0.34
SSL 6D38-471M	470±20%	0.1V/10K	2.200	0.32
SSL 6D38-561M	560±20%	0.1V/10K	2.850	0.29
SSL 6D38-681M	680±20%	0.1V/10K	3.200	0.25
SSL 6D38-821M	820±20%	0.1V/10K	4.050	0.22
SSL 6D38-102M	1000±20%	0.1V/10K	5.700	0.20

Note:

- (1) Inductance is measured by LCR-meter 4284A(HP) or equivalent.
- (2) DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- (3) Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK).
- (4) Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the initial value of inductance has fallen by 35%, whichever is smaller.