LTR Series

Unshielded SMT Power Inductor

變更紀錄	日期	版本	製作	檢查	審核
1. LTR 系列 SPEC 發行	2022/7/21	V1	Vincent	Tony	Alan
2. LTR0403KT4R7、LTR0403KT150、LTR0503KT4R7、LTR0503KT6R8、LTR0504KT6R8、LTR0504KT150、LTR0504KT330、LTR0504KT101 更新特性提升原 Tolerance M:20% 提升至 K:10%。	2022/12/21	V2	Vincent	Tony	Alan
3. LTR0302KT220 更新 R.Current 特性原 0.6A 提升至 0.7A。	2023/1/10	V3	Vincent	Tony	Alan
4. 新增 LTR0703KT801 LTR0503KT100 更新特性原 Tolerance M:20% 提升至 K:10%。	2023/3/29	V4	Vincent	Tony	Alan
5. 新增 LTR0705KT102	2023/4/20	V5	Vincent	Tony	Alan

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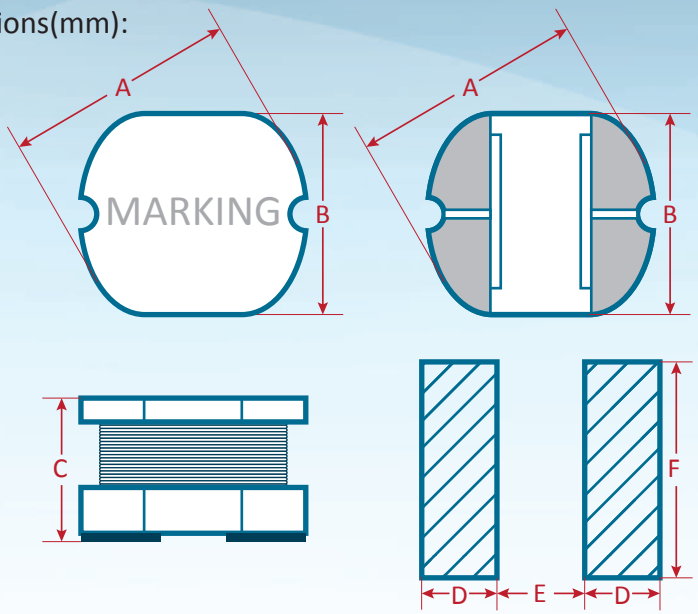
LTR Series

Unshielded SMT Power Inductor

Shape and Dimensions(mm):

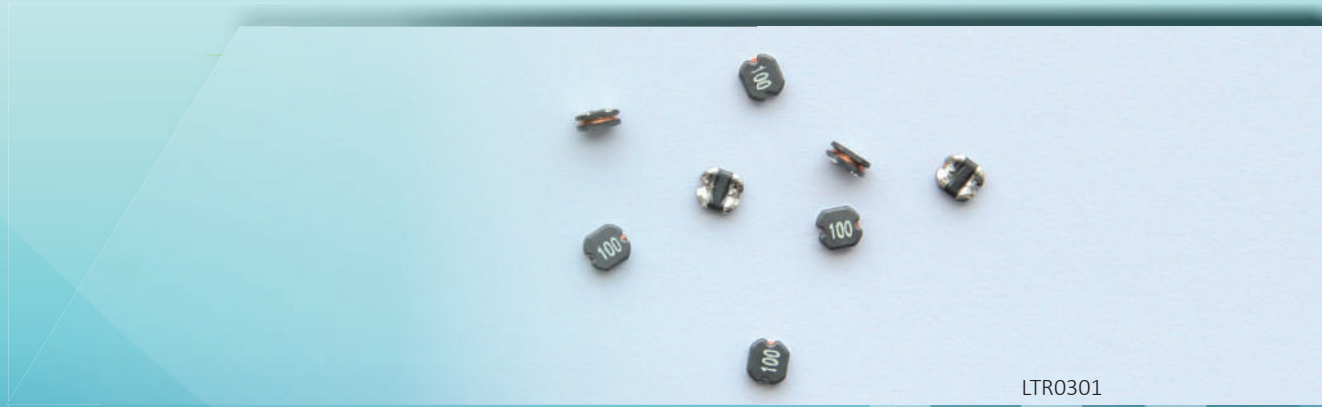


RoHS

Item	A	B	C	D	E	F
LTR0301	3.5±0.3	3.0±0.3	1.1±0.3	1.6 Typ.	0.8 Typ.	3.5 Typ.
LTR0302	3.5±0.3	3.0±0.3	2.0±0.3	1.6 Typ.	0.8 Typ.	3.5 Typ.

LTR0301

Part No.	Inductance (uH)	Test Freq. (0.1V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0301MT2R2	2.2	100 KHz	240	1.2	20
LTR0301MT3R3	3.3	100 KHz	270	1.08	20
LTR0301MT4R7	4.7	100 KHz	300	1.0	20
LTR0301MT6R8	6.8	100 KHz	470	0.8	20
LTR0301MT8R2	8.2	100 KHz	520	0.76	20
LTR0301MT100	10	100 KHz	550	0.7	20
LTR0301MT120	12	100 KHz	750	0.6	20
LTR0301MT150	15	100 KHz	910	0.5	20
LTR0301MT220	22	100 KHz	1200	0.4	20
LTR0301MT270	27	100 KHz	1500	0.36	20



LTR0301

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LTR0302

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0302MT1R0	1.0	7.96 MHz	45	2.2	20
LTR0302MT1R2	1.2	7.96 MHz	50	2.1	20
LTR0302MT1R5	1.5	7.96 MHz	55	1.7	20
LTR0302MT1R8	1.8	7.96 MHz	70	1.65	20
LTR0302MT2R2	2.2	7.96 MHz	85	1.6	20
LTR0302MT2R7	2.7	7.96 MHz	100	1.4	20
LTR0302MT3R3	3.3	7.96 MHz	120	1.04	20
LTR0302MT3R9	3.9	7.96 MHz	125	1.0	20
LTR0302MT4R7	4.7	7.96 MHz	135	1.0	20
LTR0302MT5R6	5.6	7.96 MHz	145	0.95	20
LTR0302MT6R8	6.8	7.96 MHz	200	0.95	20
LTR0302MT8R2	8.2	7.96 MHz	230	1.09	20
LTR0302MT100	10	2.52 MHz	320	0.9	20
LTR0302MT120	12	2.52 MHz	350	0.85	20
LTR0302MT150	15	2.52 MHz	460	0.75	20
LTR0302MT180	18	2.52 MHz	520	0.7	20
LTR0302KT220	22	100 KHz/1V	650	0.7	10
LTR0302KT270	27	2.52 MHz	750	0.55	10
LTR0302KT330	33	2.52 MHz	ут0	л.5с	мл
LTR0302KT390	39	2.52 MHz	1120	0.48	10
LTR0302KT470	47	2.52 MHz	1270	0.45	10
LTR0302KT560	56	2.52 MHz	1500	0.3	10
LTR0302KT680	68	2.52 MHz	2000	0.26	10
LTR0302KT820	82	2.52 MHz	2150	0.23	10
LTR0302KT101	100	1.0 KHz	2800	0.2	10
LTR0302KT121	120	1.0 KHz	3400	0.18	10
LTR0302KT151	150	1.0 KHz	4200	0.16	10
LTR0302KT181	180	1.0 KHz	4500	0.15	10
LTR0302KT221	220	1.0 KHz	5700	0.14	10
LTR0302KT271	270	1.0 KHz	8500	0.1	10
LTR0302KT331	330	1.0 KHz	9500	0.09	10

Ordering information

LTR - 0301 - M - T - 2R2

(1) (2) (3) (4) (5)

(1) Type : Surface Mountable Type
(2) Size : 0301 is size
(3) Tolerance : M=20%, K=10%
(4) Packaging style : Taping Reel
(5) Inductance : 1R0 for 1.0uH, 100 for 10uH, 101 for 100uH...

Characteristics

- Rated Current : It is either the inductance is 10% lower than its initial value in DC. saturation characteristics or temperature raise becomes ΔT=40°C (Ta=20°C), whichever is lower.
- Operating temperature -30°C to 105°C

Test equipment

- Inductance measured at 0Adc on HP 4284A LCR meter or equivalent
- DCR measured on Chroma 16502 micro-ohmmeter or equivalent
- Electrical specifications at 25°C

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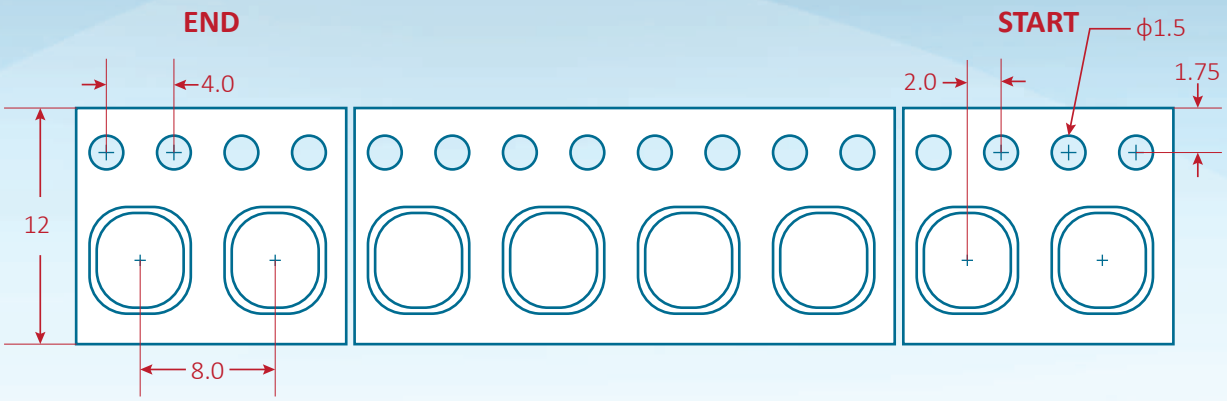
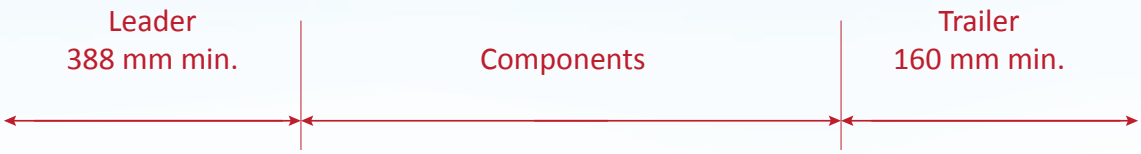
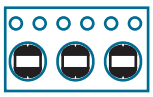
Packing

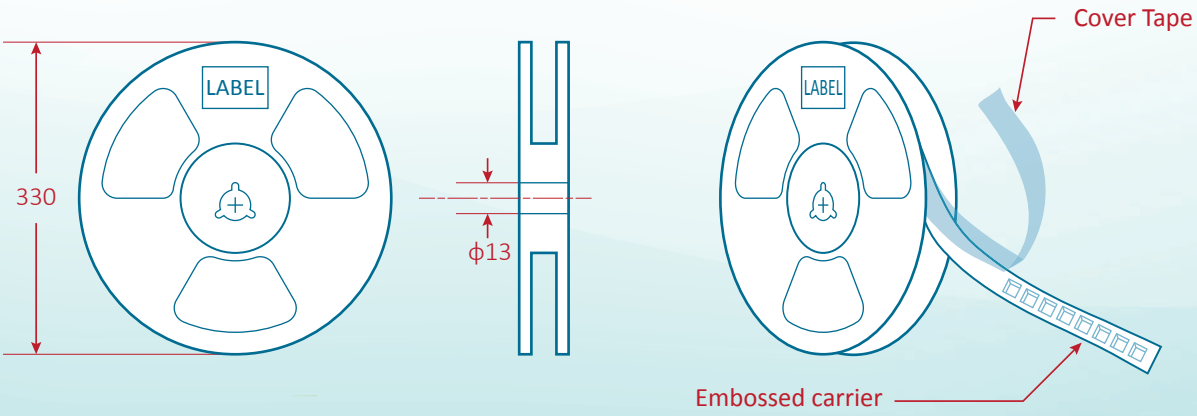
Dimensions in mm







Bottom View



Reel		Reel	
LTR0301	Q'ty(Pcs) 3,000	LTR0302	Q'ty(Pcs) 3,000

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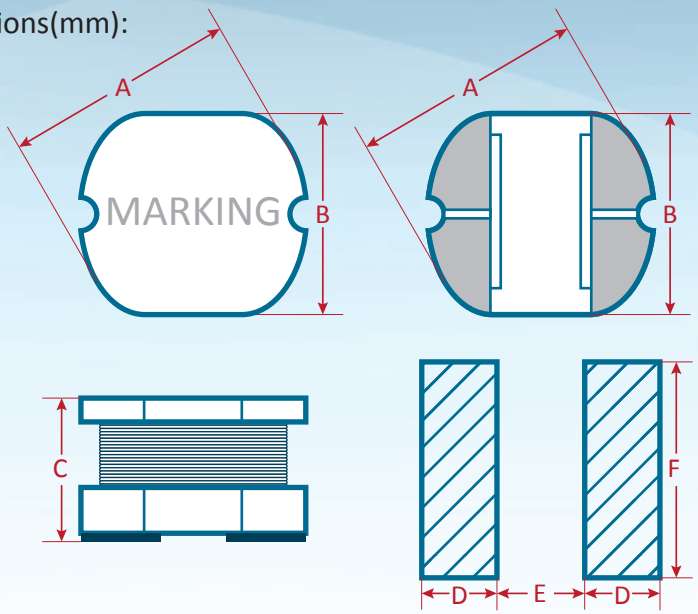
Shape and Dimensions(mm):



RoHS

Item	A	B	C	D	E	F
LTR0403	4.5±0.3	4.0±0.3	3.2±0.3	1.75 Typ.	1.5 Typ.	4.5 Typ.

LTR0403

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0403MT1R0	1.0	7.96 MHz	48.7	2.56	20
LTR0403MT1R4	1.4	7.96 MHz	56.2	2.52	20
LTR0403MT1R8	1.8	7.96 MHz	63.7	1.95	20
LTR0403MT2R2	2.2	7.96 MHz	71.2	1.75	20
LTR0403MT2R7	2.7	7.96 MHz	78.7	1.58	20
LTR0403MT3R3	3.3	7.96 MHz	86.2	1.44	20
LTR0403MT3R9	3.9	7.96 MHz	93.7	1.33	20
LTR0403KT4R7	4.7	100 KHz	76	1.98	10
LTR0403MT5R6	5.6	7.96 MHz	125.7	0.99	20
LTR0403MT6R8	6.8	7.96 MHz	131.2	0.95	20
LTR0403MT8R2	8.2	7.96 MHz	146.2	0.84	20
LTR0403MT100	10	2.52 MHz	182	1.04	20
LTR0403MT120	12	2.52 MHz	210	0.97	20
LTR0403KT150	15	100 KHz	210	1.18	10
LTR0403MT180	18	2.52 MHz	338	0.74	20
LTR0403MT220	22	2.52 MHz	378	0.68	20
LTR0403MT270	27	2.52 MHz	522	0.62	20
LTR0403KT330	33	2.52 MHz	540	0.56	10
LTR0403KT390	39	2.52 MHz	587	0.52	10
LTR0403KT470	47	2.52 MHz	844	0.44	10
LTR0403KT560	56	2.52 MHz	937	0.42	10
LTR0403KT680	68	2.52 MHz	1117	0.37	10

Ordering information

LTR - 0403 - M - T - 1R0

(1) (2) (3) (4) (5)

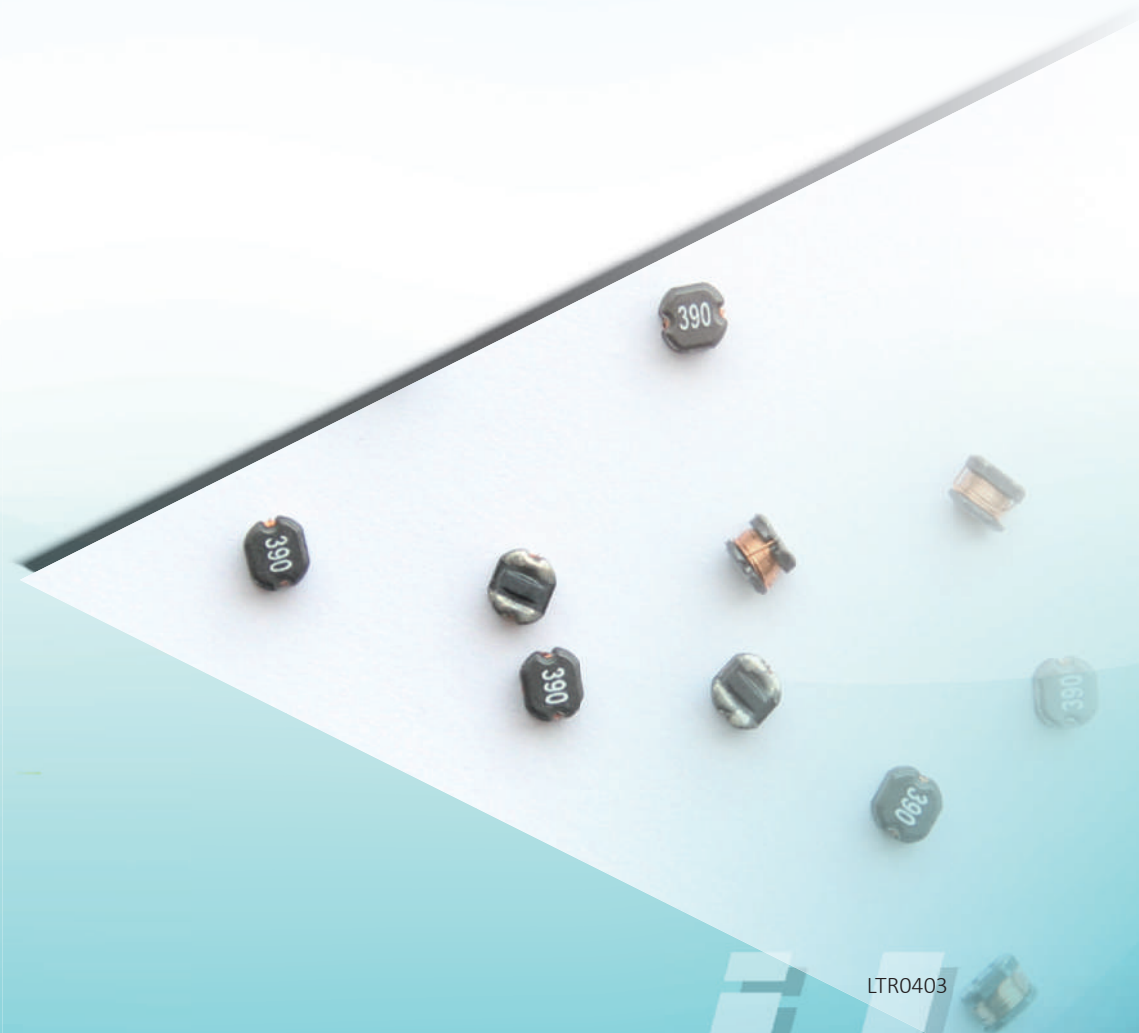
(1) Type : Surface Mountable Type
(2) Size : 0403 is size
(3) Tolerance : M=20%, K=10%
(4) Packaging style : Taping Reel
(5) Inductance : 1R0 for 1.0uH, 100 for 10uH…

Characteristics

- Rated Current : It is either the inductance is 10% lower than its initial value in DC. saturation characteristics or temperature raise becomes ΔT=40°C (Ta=20°C), whichever is lower.
- Operating temperature -30°C to 105°C

Test equipment

- Inductance measured at 0Adc on HP 4284A LCR meter or equivalent
- DCR measured on Chroma 16502 micro-ohmmeter or equivalent
- Electrical specifications at 25°C



LTR0403

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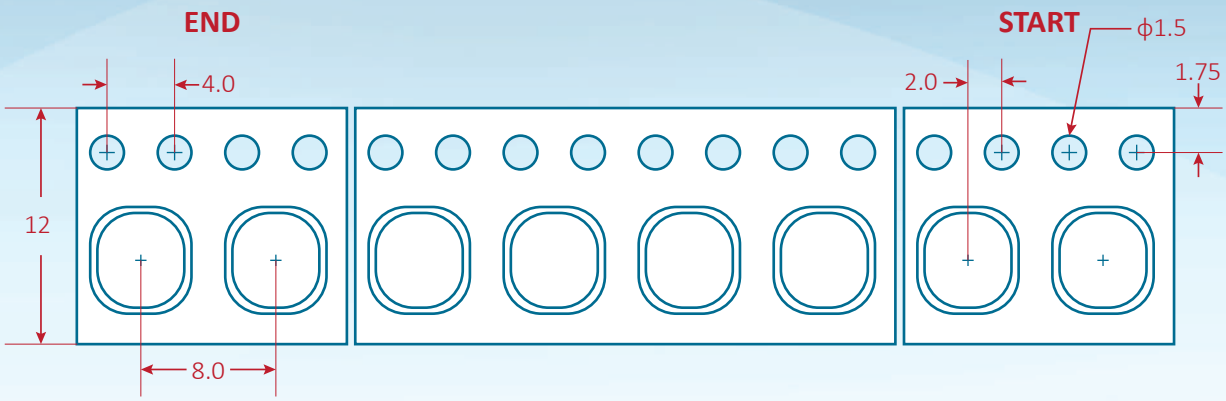
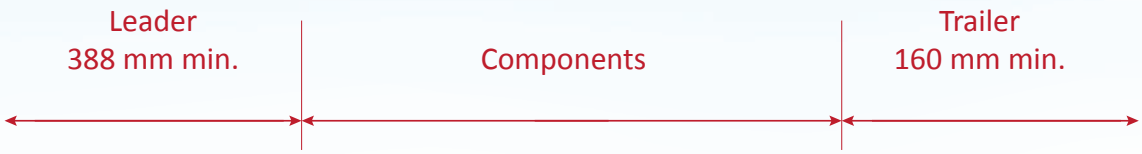
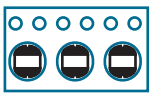
Packing

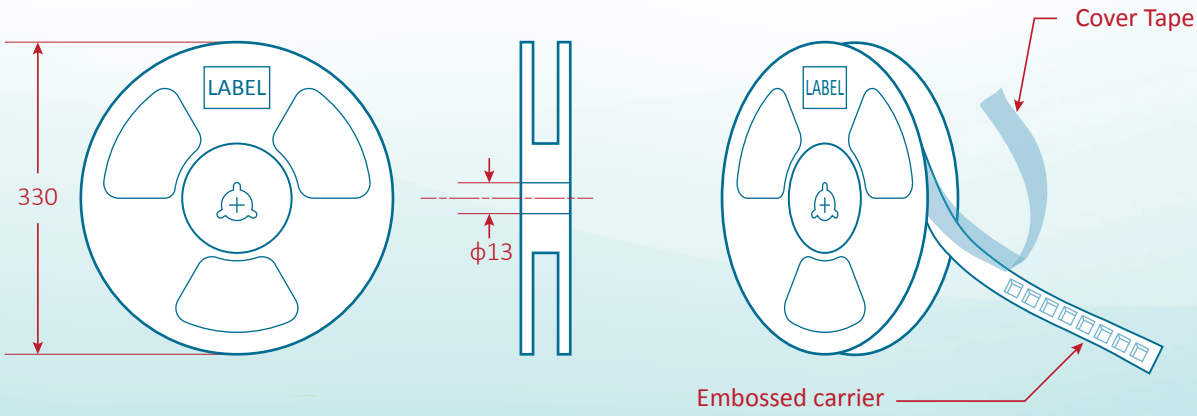
Dimensions in mm







Bottom View



Reel
Q'ty(Pcs)
2,000

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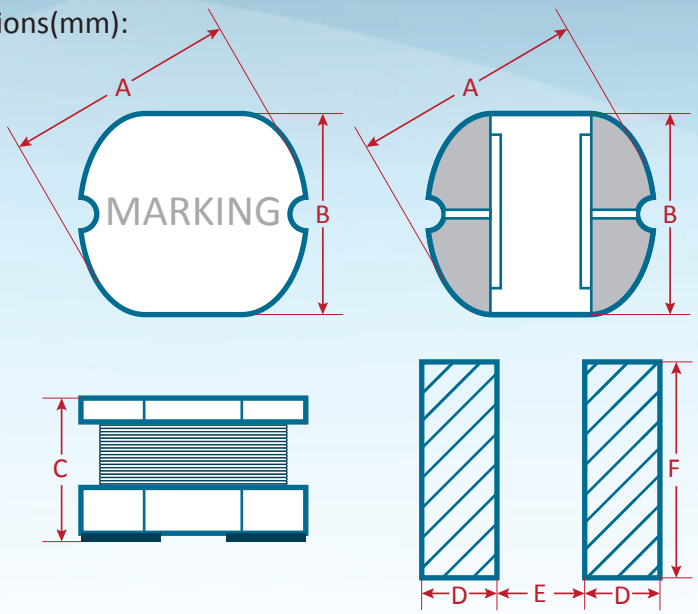
Shape and Dimensions(mm):



RoHS

Item	A	B	C	D	E	F
LTR0502	5.8±0.3	5.2±0.3	2.5±0.3	2.15 Typ.	1.7 Typ.	5.5 Typ.
LTR0503	5.8±0.3	5.2±0.3	3.0±0.3	2.15 Typ.	1.7 Typ.	5.5 Typ.
LTR0504	5.8±0.3	5.2±0.3	4.5±0.35	2.15 Typ.	1.7 Typ.	5.5 Typ.

LTR0502

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0502MT1R2	1.2	7.96 MHz	50	4.2	20
LTR0502MT1R5	1.5	7.96 MHz	60	4.0	20
LTR0502MT1R8	1.8	7.96 MHz	65	3.7	20
LTR0502MT2R2	2.2	7.96 MHz	70	3.5	20
LTR0502MT2R7	2.7	7.96 MHz	80	3.2	20
LTR0502MT3R3	3.3	7.96 MHz	100	2.7	20
LTR0502MT3R9	3.9	7.96 MHz	120	2.4	20
LTR0502MT4R7	4.7	7.96 MHz	140	2.0	20
LTR0502MT5R6	5.6	7.96 MHz	150	1.8	20
LTR0502MT6R8	6.8	7.96 MHz	160	1.5	20
LTR0502MT8R2	8.2	7.96 MHz	170	1.4	20
LTR0502MT100	10	2.52 MHz	200	1.3	20
LTR0502MT120	12	2.52 MHz	230	1.1	20
LTR0502MT150	15	2.52 MHz	250	1.05	20
LTR0502MT180	18	2.52 MHz	300	1.0	20
LTR0502KT220	22	2.52 MHz	350	0.9	10
LTR0502KT270	27	2.52 MHz	400	0.85	10
LTR0502KT330	33	2.52 MHz	500	0.75	10
LTR0502KT390	39	2.52 MHz	550	0.7	10
LTR0502KT470	47	2.52 MHz	650	0.6	10
LTR0502KT560	56	2.52 MHz	750	0.55	10
LTR0502KT680	68	2.52 MHz	950	0.5	10

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Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0502KT820	82	2.52 MHz	1200	0.45	10
LTR0502KT101	100	1.0 KHz	1400	0.4	10
LTR0502KT121	120	1.0 KHz	1750	0.35	10
LTR0502KT151	150	1.0 KHz	2000	0.25	10
LTR0502KT181	180	1.0 KHz	2600	0.22	10
LTR0502KT221	220	1.0 KHz	3000	0.2	10
LTR0502KT271	270	1.0 KHz	3700	0.18	10
LTR0502KT331	330	1.0 KHz	4300	0.17	10
LTR0502KT391	390	1.0 KHz	6000	0.16	10
LTR0502KT471	470	1.0 KHz	6700	0.15	10

LTR0503

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0503MT1R0	1.0	7.96 MHz	30	4.5	20
LTR0503MT1R2	1.2	7.96 MHz	30	4.2	20
LTR0503MT1R5	1.5	7.96 MHz	30	4.1	20
LTR0503MT1R8	1.8	7.96 MHz	30	3.7	20
LTR0503MT2R2	2.2	7.96 MHz	30	3.5	20
LTR0503MT2R7	2.7	7.96 MHz	40	3.2	20
LTR0503MT3R3	3.3	7.96 MHz	50	2.8	20
LTR0503MT3R9	3.9	7.96 MHz	60	2.6	20
LTR0503KT4R7	4.7	1.0 KHz	70	2.15	10
LTR0503MT5R6	5.6	7.96 MHz	80	2.4	20
LTR0503KT6R8	6.8	1.0 KHz	90	1.98	10
LTR0503MT8R2	8.2	7.96 MHz	100	2.0	20
LTR0503KT100	10	2.52 MHz	130	1.8	10
LTR0503MT120	12	2.52 MHz	160	1.75	20
LTR0503MT150	15	2.52 MHz	190	1.7	20
LTR0503MT180	18	2.52 MHz	210	1.6	20
LTR0503KT220	22	2.52 MHz	280	1.5	10
LTR0503KT270	27	2.52 MHz	320	1.4	10
LTR0503KT330	33	2.52 MHz	380	1.1	10
LTR0503KT390	39	2.52 MHz	420	1.0	10
LTR0503KT470	47	2.52 MHz	520	0.9	10
LTR0503KT560	56	2.52 MHz	560	0.85	10
LTR0503KT680	68	2.52 MHz	680	0.8	10
LTR0503KT820	82	2.52 MHz	820	0.65	10
LTR0503KT101	100	1.0 KHz	1100	0.6	10
LTR0503KT121	120	1.0 KHz	1200	0.58	10
LTR0503KT151	150	1.0 KHz	1500	0.43	10
LTR0503KT181	180	1.0 KHz	1800	0.41	10
LTR0503KT221	220	1.0 KHz	2000	0.38	10
LTR0503KT271	270	1.0 KHz	2900	0.35	10
LTR0503KT331	330	1.0 KHz	3300	0.28	10
LTR0503KT391	390	1.0 KHz	3700	0.26	10
LTR0503KT471	470	1.0 KHz	4900	0.2	10

LTR0504

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0504KT6R8	6.8	100 KHz	90	2.0	10
LTR0504MT100	10	2.52 MHz	100	1.44	20
LTR0504MT120	12	2.52 MHz	120	1.4	20
LTR0504KT150	15	100 KHz	140	1.6	10
LTR0504MT180	18	2.52 MHz	150	1.23	20
LTR0504MT220	22	2.52 MHz	180	1.11	20
LTR0504MT270	27	2.52 MHz	200	0.97	20
LTR0504KT330	33	100 KHz	230	1.15	10
LTR0504KT390	39	2.52 MHz	320	0.8	10
LTR0504KT470	47	2.52 MHz	370	0.72	10
LTR0504KT560	56	2.52 MHz	420	0.68	10
LTR0504KT680	68	2.52 MHz	460	0.61	10
LTR0504KT820	82	2.52 MHz	600	0.58	10
LTR0504KT101	100	100 KHz	700	0.75	10
LTR0504KT121	120	1.0 KHz	930	0.48	10
LTR0504KT151	150	1.0 KHz	1100	0.4	10
LTR0504KT181	180	1.0 KHz	1380	0.38	10
LTR0504KT221	220	1.0 KHz	1570	0.35	10

Ordering information

LTR - 0502 - M - T - 1R2
(1) (2) (3) (4) (5)

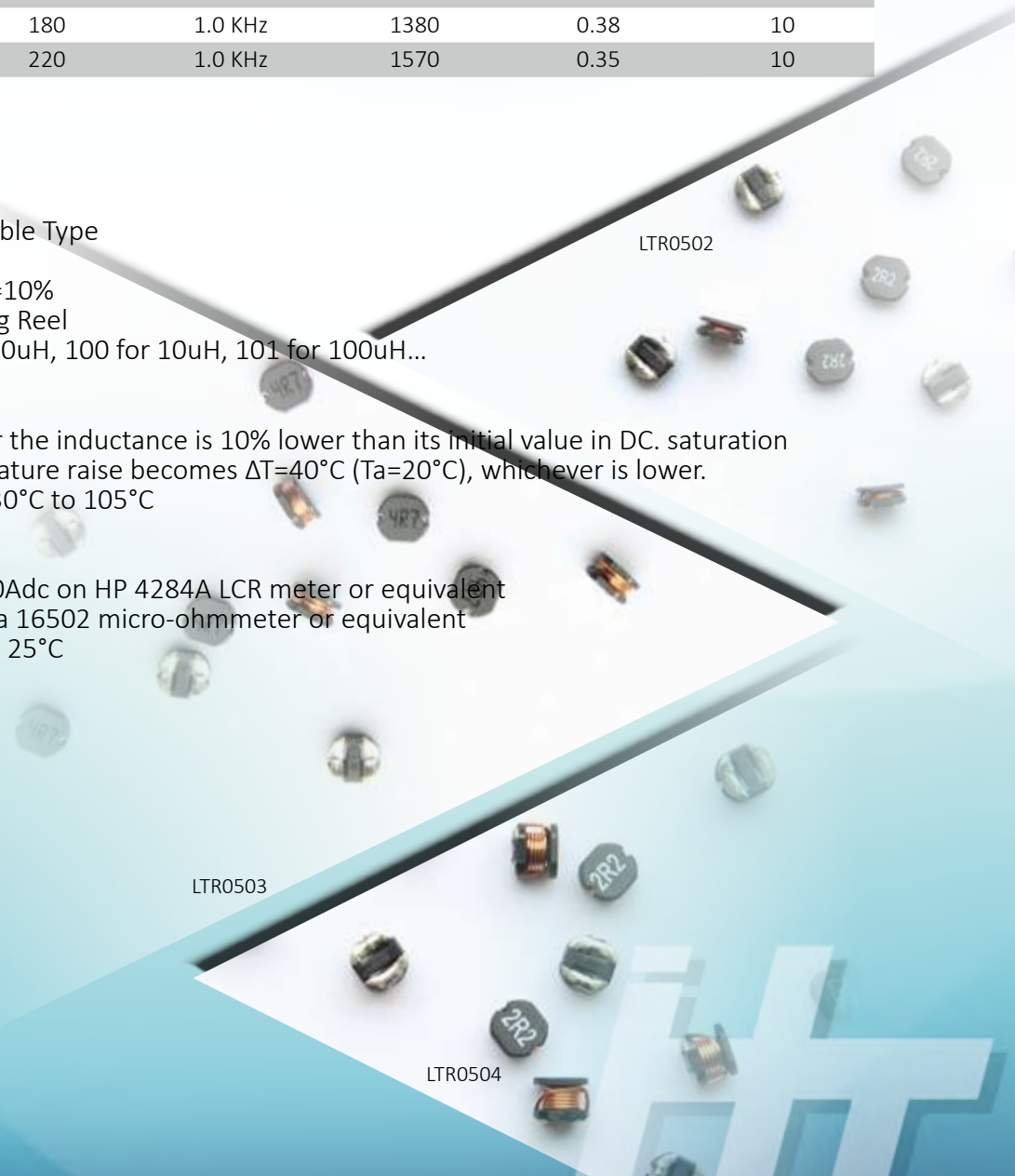
(1) Type : Surface Mountable Type
(2) Size : 0502 is size
(3) Tolerance : M=20%, K=10%
(4) Packaging style : Taping Reel
(5) Inductance : 1R0 for 1.0uH, 100 for 10uH, 101 for 100uH…

Characteristics

- Rated Current : It is either the inductance is 10% lower than its initial value in DC. saturation characteristics or temperature raise becomes ΔT=40°C (Ta=20°C), whichever is lower.
- Operating temperature -30°C to 105°C

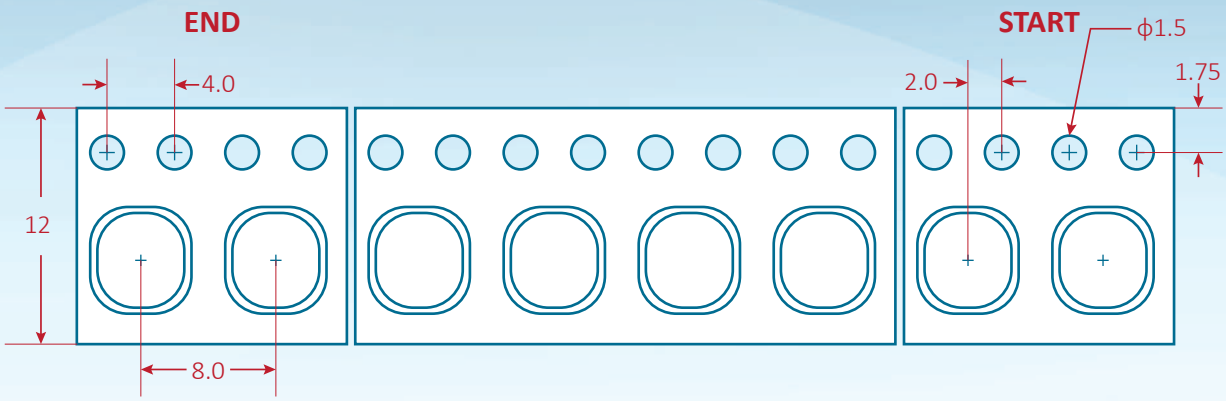
Test equipment

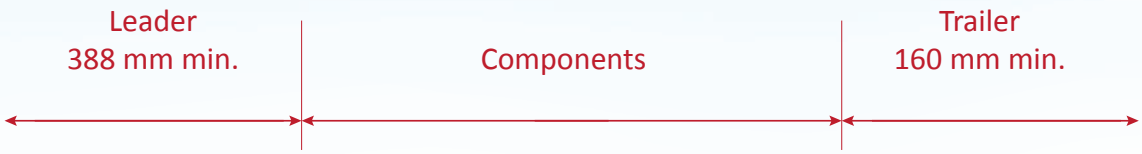
- Inductance measured at 0Adc on HP 4284A LCR meter or equivalent
- DCR measured on Chroma 16502 micro-ohmmeter or equivalent
- Electrical specifications at 25°C

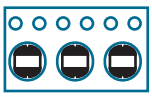


Packing

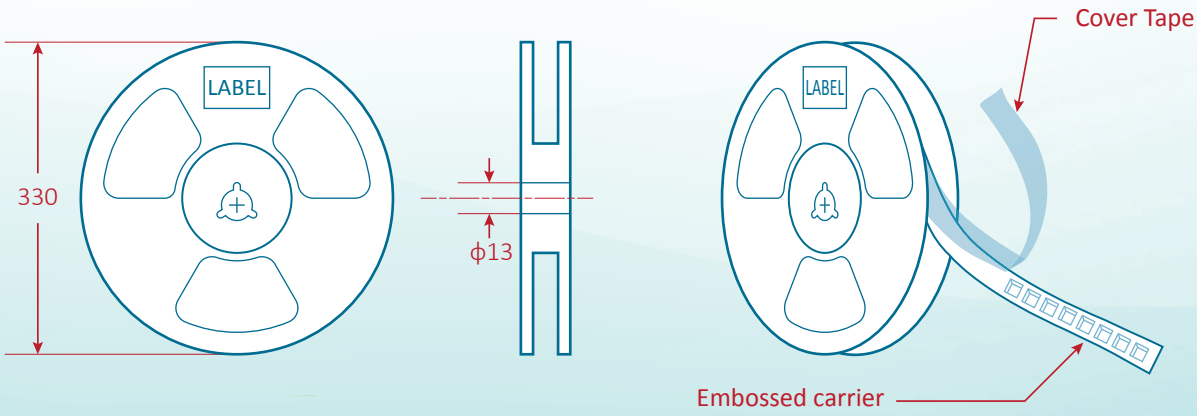
Dimensions in mm







Bottom View



	Reel		Reel		Reel
LTR0502	Q'ty(Pcs) 2,000	LTR0503	Q'ty(Pcs) 2,000	LTR0504	Q'ty(Pcs) 1,500

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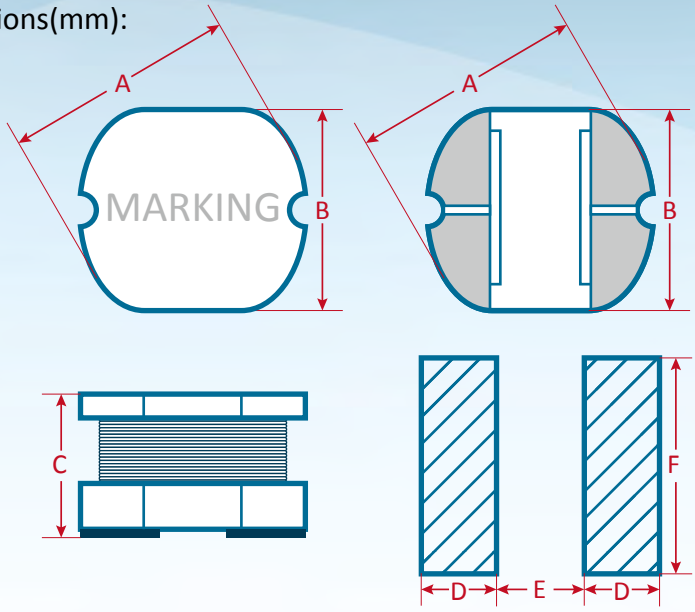
LTR Series

Unshielded SMT Power Inductor

Shape and Dimensions(mm):



RoHS

Item	A	B	C	D	E	F
LTR0703	7.8±0.3	7.0±0.3	3.5±0.5	3.0 Typ.	2.0 Typ.	7.5 Typ.
LTR0705	7.8±0.3	7.0±0.3	5.0±0.5	3.0 Typ.	2.0 Typ.	7.5 Typ.

LTR0703

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0703NT1R5	1.5	7.96 MHz	15	5.0	30
LTR0703MT2R2	2.2	7.96 MHz	22	4.0	20
LTR0703MT3R3	3.3	7.96 MHz	24.5	3.0	20
LTR0703MT4R7	4.7	7.96 MHz	33	1.5	20
LTR0703MT6R8	6.8	7.96 MHz	47	1.5	20
LTR0703KT100	10	2.52 MHz	80.3	1.44	10
LTR0703KT120	12	2.52 MHz	89.7	1.39	10
LTR0703KT150	15	2.52 MHz	104	1.24	10
LTR0703KT180	18	2.52 MHz	111	1.12	10
LTR0703KT220	22	2.52 MHz	129	1.07	10
LTR0703KT270	27	2.52 MHz	153	0.94	10
LTR0703KT330	33	2.52 MHz	170	0.85	10
LTR0703KT390	39	2.52 MHz	217	0.74	10
LTR0703KT470	47	2.52 MHz	252	0.68	10
LTR0703KT560	56	2.52 MHz	282	0.64	10
LTR0703KT680	68	2.52 MHz	332	0.59	10
LTR0703KT820	82	2.52 MHz	406	0.54	10
LTR0703KT101	100	1.0 KHz	481	0.51	10
LTR0703KT121	120	1.0 KHz	536	0.49	10
LTR0703KT151	150	1.0 KHz	755	0.4	10
LTR0703KT181	180	1.0 KHz	1022	0.36	10
LTR0703KT221	220	1.0 KHz	1200	0.31	10
LTR0703KT271	270	1.0 KHz	1306	0.29	10
LTR0703KT331	330	1.0 KHz	1495	0.28	10
LTR0703KT801	800	15 KHz	2400	0.38	10

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LTR0705

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR0705MT1R0	1.0	7.96 MHz	12	8.0	20
LTR0705MT2R2	2.2	7.96 MHz	20	5.0	20
LTR0705MT3R3	3.3	7.96 MHz	22	5.0	20
LTR0705MT4R7	4.7	7.96 MHz	30	4.0	20
LTR0705MT6R8	6.8	7.96 MHz	70	3.0	20
LTR0705KT100	10	2.52 MHz	70	2.3	10
LTR0705KT120	12	2.52 MHz	80	2.0	10
LTR0705KT150	15	2.52 MHz	90	1.8	10
LTR0705KT180	18	2.52 MHz	100	1.6	10
LTR0705KT220	22	2.52 MHz	110	1.5	10
LTR0705KT270	27	2.52 MHz	120	1.3	10
LTR0705KT330	33	2.52 MHz	130	1.2	10
LTR0705KT390	39	2.52 MHz	160	1.1	10
LTR0705KT470	47	2.52 MHz	180	1.1	10
LTR0705KT560	56	2.52 MHz	240	0.94	10
LTR0705KT680	68	2.52 MHz	280	0.85	10
LTR0705KT820	82	2.52 MHz	370	0.78	10
LTR0705KT101	100	1.0 KHz	430	0.72	10
LTR0705KT121	120	1.0 KHz	470	0.66	10
LTR0705KT151	150	1.0 KHz	640	0.58	10
LTR0705KT181	180	1.0 KHz	710	0.51	10
LTR0705KT221	220	1.0 KHz	960	0.49	10
LTR0705KT271	270	1.0 KHz	1110	0.42	10
LTR0705KT331	330	1.0 KHz	1260	0.4	10
LTR0705KT391	390	1.0 KHz	1770	0.36	10
LTR0705KT471	470	1.0 KHz	1960	0.34	10
LTR0705KT102	1000	100 KHz / 0.1V	3300	0.20	10

Ordering information

LTR - 0703 - K - T - 100

(1) (2) (3) (4) (5)

(1) Type : Surface Mountable Type
(2) Size : 0703 is size
(3) Tolerance : K=10%
(4) Packaging style : Taping Reel
(5) Inductance : 100 for 10uH, 101 for 100uH…

LTR0703

Characteristics

- Rated Current : It is either the inductance is 10% lower than its initial value in DC. saturation characteristics or temperature raise becomes ΔT=40°C (Ta=20°C), whichever is lower.
- Operating temperature -30°C to 105°C

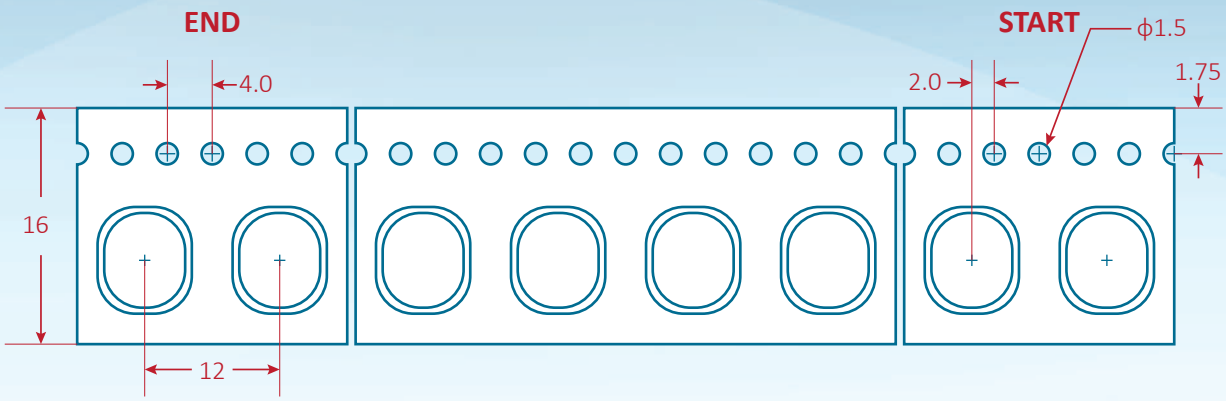
Test equipment

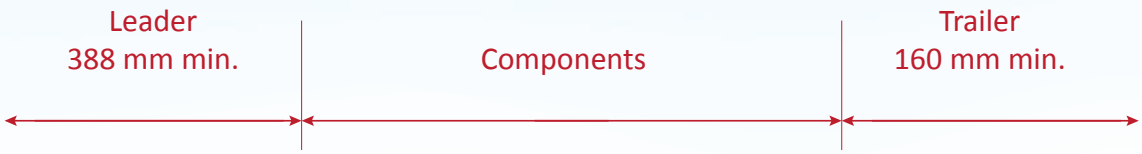
- Inductance measured at 0Adc on HP 4284A LCR meter or equivalent
- DCR measured on Chroma 16502 micro-ohmmeter or equivalent
- Electrical specifications at 25°C

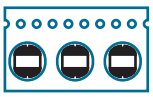
LTR0705

Packing

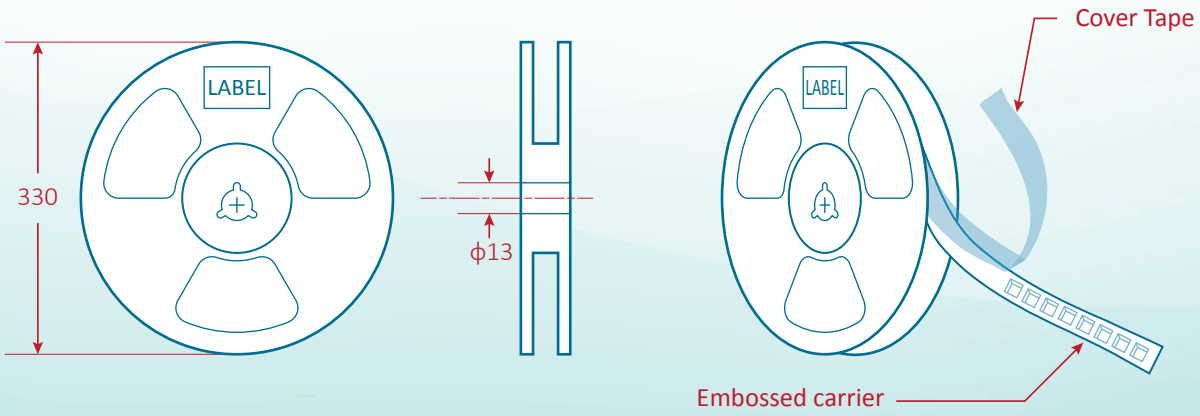
Dimensions in mm







Bottom View



Reel		Reel	
LTR0703	Q'ty(Pcs) 1,000	LTR0705	Q'ty(Pcs) 1,000

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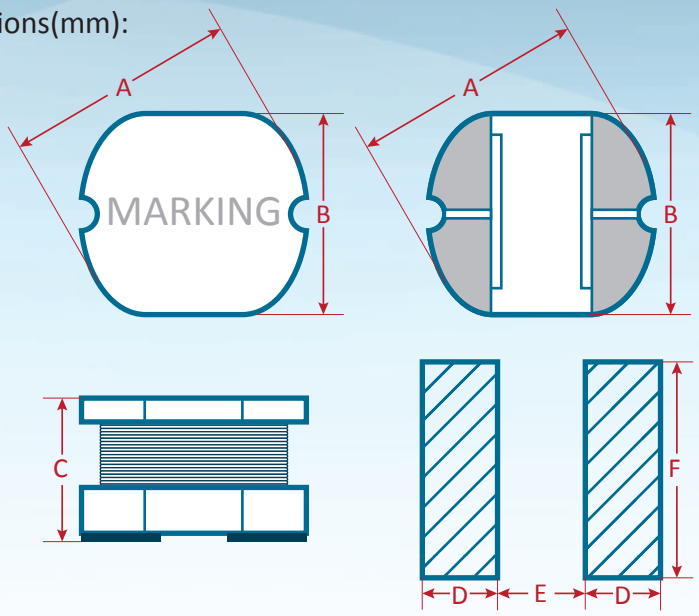
LTR Series

Unshielded SMT Power Inductor

Shape and Dimensions(mm):



RoHS

Item	A	B	C	D	E	F
LTR1004	10±0.3	9.0±0.3	4.0±0.5	3.75 Typ.	2.5 Typ.	9.5 Typ.
LTR1005	10±0.3	9.0±0.3	5.4±0.4	3.75 Typ.	2.5 Typ.	9.5 Typ.
LTR1007	10±0.3	9.0±0.3	7.5 Max.	3.75 Typ.	2.5 Typ.	9.5 Typ.

LTR1004

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR1004MT100	10	2.52 MHz	53	2.38	20
LTR1004MT120	12	2.52 MHz	61	2.13	20
LTR1004MT150	15	2.52 MHz	70	1.87	20
LTR1004MT180	18	2.52 MHz	81	1.73	20
LTR1004MT220	22	2.52 MHz	88	1.6	20
LTR1004MT270	27	2.52 MHz	100	1.44	20
LTR1004MT330	33	2.52 MHz	120	1.26	20
LTR1004MT390	39	2.52 MHz	151	1.2	20
LTR1004MT470	47	2.52 MHz	170	1.1	20
LTR1004KT560	56	2.52 MHz	199	1.01	10
LTR1004KT680	68	2.52 MHz	223	0.91	10
LTR1004KT820	82	2.52 MHz	252	0.85	10
LTR1004KT101	100	1.0 KHz	344	0.74	10
LTR1004KT121	120	1.0 KHz	396	0.69	10
LTR1004KT151	150	1.0 KHz	544	0.61	10
LTR1004KT181	180	1.0 KHz	621	0.56	10
LTR1004KT221	220	1.0 KHz	721	0.53	10
LTR1004KT271	270	1.0 KHz	949	0.45	10
LTR1004KT331	330	1.0 KHz	1100	0.42	10
LTR1004KT391	390	1.0 KHz	1245	0.38	10
LTR1004KT471	470	1.0 KHz	1526	0.35	10
LTR1004KT561	560	1.0 KHz	1904	0.32	10

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LTR1005

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Rated Current(A) Max.	Tolerance (±%)
LTR1005MT100	10	2.52 MHz	60	2.6	20
LTR1005MT120	12	2.52 MHz	70	2.45	20
LTR1005MT150	15	2.52 MHz	80	2.27	20
LTR1005MT180	18	2.52 MHz	90	2.15	20
LTR1005MT220	22	2.52 MHz	100	1.95	20
LTR1005MT270	27	2.52 MHz	110	1.76	20
LTR1005MT330	33	2.52 MHz	120	1.5	20
LTR1005MT390	39	2.52 MHz	140	1.37	20
LTR1005KT470	47	2.52 MHz	170	1.28	10
LTR1005KT560	56	2.52 MHz	190	1.17	10
LTR1005KT680	68	2.52 MHz	220	1.11	10
LTR1005KT820	82	2.52 MHz	250	1.0	10
LTR1005KT101	100	1.0 KHz	350	0.97	10
LTR1005KT121	120	1.0 KHz	400	0.89	10
LTR1005KT151	150	1.0 KHz	470	0.78	10
LTR1005KT181	180	1.0 KHz	630	0.72	10
LTR1005KT221	220	1.0 KHz	730	0.66	10
LTR1005KT271	270	1.0 KHz	970	0.57	10
LTR1005KT331	330	1.0 KHz	1150	0.52	10
LTR1005KT391	390	1.0 KHz	1300	0.48	10
LTR1005KT471	470	1.0 KHz	1480	0.42	10
LTR1005KT561	560	1.0 KHz	1900	0.33	10
LTR1005KT681	680	1.0 KHz	2250	0.28	10
LTR1005KT821	820	1.0 KHz	2550	0.24	10

LTR1007

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Isat(A) Max.	Irms(A) Max.	Tolerance (±%)
LTR1007MT100	10	2.52 MHz	34	8.0	5.0	20
LTR1007MT120	12	2.52 MHz	37	7.5	4.0	20
LTR1007MT150	15	2.52 MHz	46	6.5	3.5	20
LTR1007MT180	18	2.52 MHz	52	6.2	3.2	20
LTR1007MT220	22	2.52 MHz	66	5.6	3.0	20
LTR1007MT270	27	2.52 MHz	78	5.1	2.8	20
LTR1007MT330	33	2.52 MHz	89	4.7	2.7	20
LTR1007MT390	39	2.52 MHz	116	4.4	2.4	20
LTR1007MT470	47	2.52 MHz	124	3.9	2.2	20
LTR1007MT560	56	2.52 MHz	153	3.5	2.0	20
LTR1007MT680	68	2.52 MHz	185	3.3	1.6	20
LTR1007MT820	82	2.52 MHz	207	3.0	1.5	20
LTR1007KT101	100	1.0 KHz	272	2.7	1.45	10
LTR1007KT121	120	1.0 KHz	299	2.5	1.4	10
LTR1007KT151	150	1.0 KHz	381	2.3	1.3	10
LTR1007KT181	180	1.0 KHz	431	2.1	1.25	10
LTR1007KT221	220	1.0 KHz	549	1.8	1.1	10
LTR1007KT271	270	1.0 KHz	621	1.7	1.05	10
LTR1007KT331	330	1.0 KHz	815	1.5	0.9	10
LTR1007KT391	390	1.0 KHz	906	1.4	0.85	10

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(mΩ) Max.	Isat(A) Max.	Irms(A) Max.	Tolerance (±%)
LTR1007KT561	560	1.0 KHz	1295	1.1	0.7	10
LTR1007KT681	680	1.0 KHz	1662	1.0	0.61	10
LTR1007KT821	820	1.0 KHz	1924	0.9	0.57	10

Ordering information

LTR - 1004 - M - T - 100

(1) (2) (3) (4) (5)

(1) Type : Surface Mountable Type
(2) Size : 1004 is size
(3) Tolerance : M=20%, K=10%
(4) Packaging style : Taping Reel
(5) Inductance : 100 for 10uH, 101 for 100uH...

Characteristics

- Rated Current : It is either the inductance is 10% lower than its initial value in DC. saturation characteristics or temperature raise becomes ΔT=40°C (Ta=20°C), whichever is lower.
- Operating temperature -30°C to 105°C

Test equipment

- Inductance measured at 0Adc on HP 4284A LCR meter or equivalent
- DCR measured on Chroma 16502 micro-ohmmeter or equivalent
- Electrical specifications at 25°C

LTR1004

LTR1005

LTR1007

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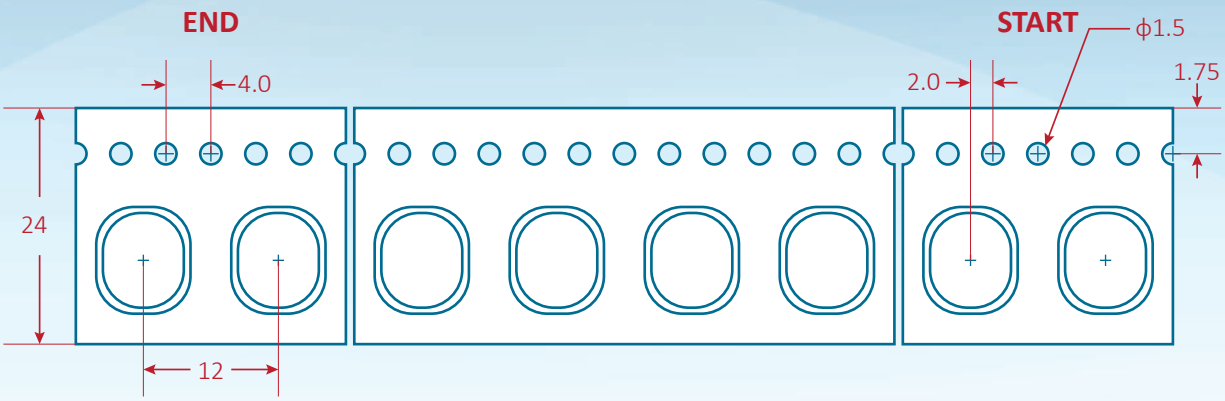
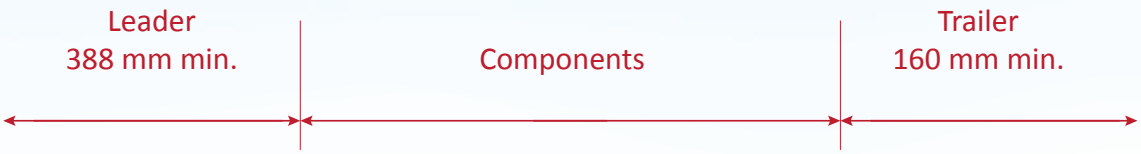
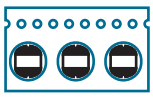
Packing

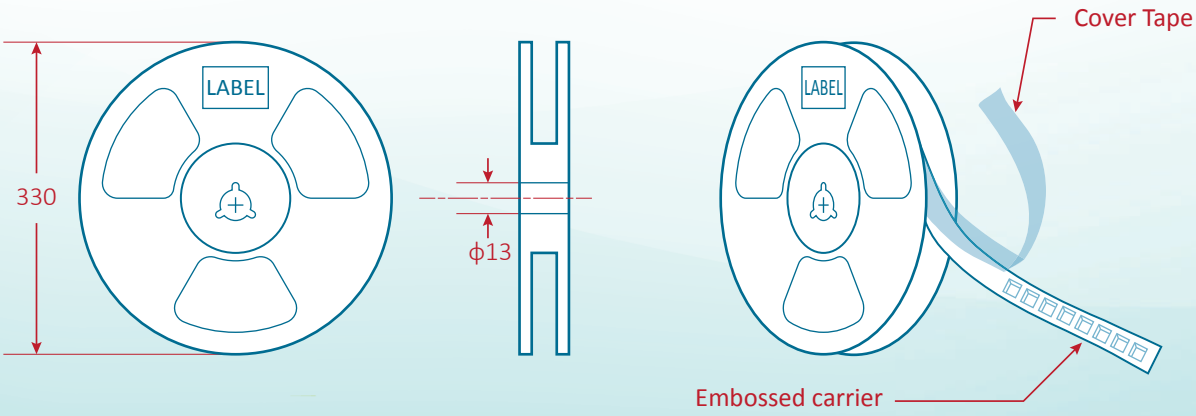
Dimensions in mm







Bottom View



Reel		Reel		Reel	
LTR1004	Q'ty(Pcs) 750	LTR1005	Q'ty(Pcs) 750	LTR1007	Q'ty(Pcs) 500

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