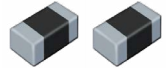


# MULTILAYER CHIP INDUCTORS(LK SERIES)



WAVE\* REFLOW

\*Except for LK1005

■ PARTS NUMBER

\* Operating Temp.: -40~+85°C

L	K	△	1	6	0	8	△	R	1	0	M	-	T	△
①			②					③			④		⑤	⑥

△=Blank space

① Series name

Code	Series name
LK△	Multilayer chip inductor

② Dimensions (L × W)

Code	Type (inch)	Dimensions (L × W) [mm]
1005	1005 (0402)	1.0 × 0.5
1608	1608 (0603)	1.6 × 0.8
2125	2125 (0805)	2.0 × 1.25

③ Nominal inductance

Code (example)	Nominal inductance [μH]
47N	0.047
R10	0.1
1R0	1.0
100	10

※R=Decimal point

※N=0.0(nH type)

④ Inductance tolerance

Code	Inductance tolerance
K	±10%
M	±20%

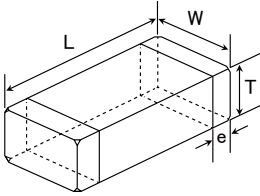
⑤ Packaging

Code	Packaging
-T	Taping

⑥ Internal code

Code	Internal code
△	Standard

■ STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



Type	L	W	T	e	Standard quantity [pcs]	
					Paper tape	Embossed tape
LK 1005 (0402)	1.00±0.05 (0.039±0.002)	0.50±0.05 (0.020±0.002)	0.50±0.05 (0.020±0.002)	0.25±0.10 (0.010±0.004)	10000	—
LK 1608 (0603)	1.6±0.15 (0.063±0.006)	0.8±0.15 (0.031±0.006)	0.8±0.15 (0.031±0.006)	0.3±0.2 (0.012±0.008)	4000	—
LK 2125 (0805)	2.0+0.3/-0.1 (0.079+0.012/-0.004)	1.25±0.2 (0.049±0.008)	0.85±0.2 (0.033±0.008)	0.5±0.3 (0.020±0.012)	4000	—
	2.0+0.3/-0.1 (0.079+0.012/-0.004)	1.25±0.2 (0.049±0.008)	1.25±0.2 (0.049±0.008)	0.5±0.3 (0.020±0.012)	—	2000

Unit: mm (inch)

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PARTS NUMBER

LK1005

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Q (min.)	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] (max.)	Rated current [mA] (max.)	Measuring frequency [MHz]	Thickness [mm]
LK 1005 R12□-T	RoHS	0.12	$\pm 10\%$ , $\pm 20\%$	10	180	0.59	25	25	0.50 $\pm 0.05$
LK 1005 R15□-T	RoHS	0.15	$\pm 10\%$ , $\pm 20\%$	10	165	0.63	25	25	0.50 $\pm 0.05$
LK 1005 R18□-T	RoHS	0.18	$\pm 10\%$ , $\pm 20\%$	10	150	0.76	25	25	0.50 $\pm 0.05$
LK 1005 R22□-T	RoHS	0.22	$\pm 10\%$ , $\pm 20\%$	10	135	0.79	25	25	0.50 $\pm 0.05$
LK 1005 R27□-T	RoHS	0.27	$\pm 10\%$ , $\pm 20\%$	10	120	0.91	25	25	0.50 $\pm 0.05$
LK 1005 R33□-T	RoHS	0.33	$\pm 10\%$ , $\pm 20\%$	10	105	1.05	25	25	0.50 $\pm 0.05$
LK 1005 R39□-T	RoHS	0.39	$\pm 10\%$ , $\pm 20\%$	20	85	0.41	20	10	0.50 $\pm 0.05$
LK 1005 R47□-T	RoHS	0.47	$\pm 10\%$ , $\pm 20\%$	20	80	0.42	20	10	0.50 $\pm 0.05$
LK 1005 R56□-T	RoHS	0.56	$\pm 10\%$ , $\pm 20\%$	20	75	0.47	20	10	0.50 $\pm 0.05$
LK 1005 R68□-T	RoHS	0.68	$\pm 10\%$ , $\pm 20\%$	20	70	0.55	20	10	0.50 $\pm 0.05$
LK 1005 R82□-T	RoHS	0.82	$\pm 10\%$ , $\pm 20\%$	20	65	0.59	20	10	0.50 $\pm 0.05$
LK 1005 1R0□-T	RoHS	1.0	$\pm 10\%$ , $\pm 20\%$	20	60	0.64	20	10	0.50 $\pm 0.05$
LK 1005 1R2□-T	RoHS	1.2	$\pm 10\%$ , $\pm 20\%$	20	55	0.79	20	10	0.50 $\pm 0.05$
LK 1005 1R5□-T	RoHS	1.5	$\pm 10\%$ , $\pm 20\%$	20	50	0.95	20	10	0.50 $\pm 0.05$
LK 1005 1R8□-T	RoHS	1.8	$\pm 10\%$ , $\pm 20\%$	20	45	1.16	20	10	0.50 $\pm 0.05$
LK 1005 2R2□-T	RoHS	2.2	$\pm 10\%$ , $\pm 20\%$	20	40	1.15	20	10	0.50 $\pm 0.05$

※ □ mark indicates the Inductance tolerance code.

LK1608

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Q (min.)	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] (max.)	Rated current [mA] (max.)	Measuring frequency [MHz]	Thickness [mm]
LK 1608 47NM-T	RoHS	0.047	$\pm 20\%$	10	260	0.20	150	50	0.80 $\pm 0.15$
LK 1608 68NM-T	RoHS	0.068	$\pm 20\%$	10	250	0.30	150	50	0.80 $\pm 0.15$
LK 1608 82NM-T	RoHS	0.082	$\pm 20\%$	10	245	0.30	150	50	0.80 $\pm 0.15$
LK 1608 R10□-T	RoHS	0.10	$\pm 10\%$ , $\pm 20\%$	15	240	0.35	150	25	0.80 $\pm 0.15$
LK 1608 R12□-T	RoHS	0.12	$\pm 10\%$ , $\pm 20\%$	15	205	0.40	150	25	0.80 $\pm 0.15$
LK 1608 R15□-T	RoHS	0.15	$\pm 10\%$ , $\pm 20\%$	15	180	0.45	150	25	0.80 $\pm 0.15$
LK 1608 R18□-T	RoHS	0.18	$\pm 10\%$ , $\pm 20\%$	15	165	0.50	100	25	0.80 $\pm 0.15$
LK 1608 R22□-T	RoHS	0.22	$\pm 10\%$ , $\pm 20\%$	15	150	0.55	100	25	0.80 $\pm 0.15$
LK 1608 R27□-T	RoHS	0.27	$\pm 10\%$ , $\pm 20\%$	15	136	0.80	100	25	0.80 $\pm 0.15$
LK 1608 R33□-T	RoHS	0.33	$\pm 10\%$ , $\pm 20\%$	15	125	0.75	80	25	0.80 $\pm 0.15$
LK 1608 R39□-T	RoHS	0.39	$\pm 10\%$ , $\pm 20\%$	15	110	0.85	80	25	0.80 $\pm 0.15$
LK 1608 R47□-T	RoHS	0.47	$\pm 10\%$ , $\pm 20\%$	15	105	0.95	80	25	0.80 $\pm 0.15$
LK 1608 R56□-T	RoHS	0.56	$\pm 10\%$ , $\pm 20\%$	15	95	1.05	80	25	0.80 $\pm 0.15$
LK 1608 R68□-T	RoHS	0.68	$\pm 10\%$ , $\pm 20\%$	15	80	1.25	40	25	0.80 $\pm 0.15$
LK 1608 R82□-T	RoHS	0.82	$\pm 10\%$ , $\pm 20\%$	15	75	1.40	40	25	0.80 $\pm 0.15$
LK 1608 1R0□-T	RoHS	1.0	$\pm 10\%$ , $\pm 20\%$	35	70	0.60	40	10	0.80 $\pm 0.15$
LK 1608 1R2□-T	RoHS	1.2	$\pm 10\%$ , $\pm 20\%$	35	60	0.65	40	10	0.80 $\pm 0.15$
LK 1608 1R5□-T	RoHS	1.5	$\pm 10\%$ , $\pm 20\%$	35	55	0.70	40	10	0.80 $\pm 0.15$
LK 1608 1R8□-T	RoHS	1.8	$\pm 10\%$ , $\pm 20\%$	35	50	0.95	40	10	0.80 $\pm 0.15$
LK 1608 2R2□-T	RoHS	2.2	$\pm 10\%$ , $\pm 20\%$	35	45	1.00	30	10	0.80 $\pm 0.15$
LK 1608 2R7□-T	RoHS	2.7	$\pm 10\%$ , $\pm 20\%$	35	40	1.15	30	10	0.80 $\pm 0.15$
LK 1608 3R3□-T	RoHS	3.3	$\pm 10\%$ , $\pm 20\%$	35	38	1.30	30	10	0.80 $\pm 0.15$
LK 1608 3R9□-T	RoHS	3.9	$\pm 10\%$ , $\pm 20\%$	35	36	1.50	30	10	0.80 $\pm 0.15$
LK 1608 4R7□-T	RoHS	4.7	$\pm 10\%$ , $\pm 20\%$	35	33	1.60	30	10	0.80 $\pm 0.15$
LK 1608 5R6□-T	RoHS	5.6	$\pm 10\%$ , $\pm 20\%$	35	22	1.10	10	4	0.80 $\pm 0.15$
LK 1608 6R8□-T	RoHS	6.8	$\pm 10\%$ , $\pm 20\%$	35	20	1.30	10	4	0.80 $\pm 0.15$
LK 1608 8R2□-T	RoHS	8.2	$\pm 10\%$ , $\pm 20\%$	35	18	1.50	10	4	0.80 $\pm 0.15$
LK 1608 100□-T	RoHS	10	$\pm 10\%$ , $\pm 20\%$	35	17	1.70	10	2	0.80 $\pm 0.15$
LK 1608 120□-T	RoHS	12	$\pm 10\%$ , $\pm 20\%$	35	15	1.80	10	2	0.80 $\pm 0.15$
LK 1608 150M-T	RoHS	15	$\pm 20\%$	20	14	1.50	1	1	0.80 $\pm 0.15$
LK 1608 180M-T	RoHS	18	$\pm 20\%$	20	13	1.60	1	1	0.80 $\pm 0.15$
LK 1608 220M-T	RoHS	22	$\pm 20\%$	20	11	1.70	1	1	0.80 $\pm 0.15$
LK 1608 270M-T	RoHS	27	$\pm 20\%$	20	10	1.80	1	1	0.80 $\pm 0.15$
LK 1608 330M-T	RoHS	33	$\pm 20\%$	20	9	2.20	1	1	0.80 $\pm 0.15$

※ □ mark indicates the Inductance tolerance code.

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## PARTS NUMBER

## LK2125

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Q (min.)	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] (max.)	Rated current [mA] (max.)	Measuring frequency [MHz]	Thickness [mm]
LK 2125 47NM-T	RoHS	0.047	$\pm 20\%$	15	320	0.10	300	50	0.85 $\pm 0.2$
LK 2125 68NM-T	RoHS	0.068	$\pm 20\%$	15	280	0.15	300	50	0.85 $\pm 0.2$
LK 2125 82NM-T	RoHS	0.082	$\pm 20\%$	15	255	0.20	300	50	0.85 $\pm 0.2$
LK 2125 R10-T	RoHS	0.10	$\pm 10\%$ , $\pm 20\%$	20	235	0.15	270	25	0.85 $\pm 0.2$
LK 2125 R12-T	RoHS	0.12	$\pm 10\%$ , $\pm 20\%$	20	220	0.20	270	25	0.85 $\pm 0.2$
LK 2125 R15-T	RoHS	0.15	$\pm 10\%$ , $\pm 20\%$	20	200	0.20	270	25	0.85 $\pm 0.2$
LK 2125 R18-T	RoHS	0.18	$\pm 10\%$ , $\pm 20\%$	20	185	0.25	270	25	0.85 $\pm 0.2$
LK 2125 R22-T	RoHS	0.22	$\pm 10\%$ , $\pm 20\%$	20	170	0.30	250	25	0.85 $\pm 0.2$
LK 2125 R27-T	RoHS	0.27	$\pm 10\%$ , $\pm 20\%$	20	150	0.35	250	25	0.85 $\pm 0.2$
LK 2125 R33-T	RoHS	0.33	$\pm 10\%$ , $\pm 20\%$	20	145	0.40	250	25	0.85 $\pm 0.2$
LK 2125 R39-T	RoHS	0.39	$\pm 10\%$ , $\pm 20\%$	25	135	0.45	200	25	0.85 $\pm 0.2$
LK 2125 R47-T	RoHS	0.47	$\pm 10\%$ , $\pm 20\%$	25	125	0.50	200	25	1.25 $\pm 0.2$
LK 2125 R56-T	RoHS	0.56	$\pm 10\%$ , $\pm 20\%$	25	115	0.55	150	25	1.25 $\pm 0.2$
LK 2125 R68-T	RoHS	0.68	$\pm 10\%$ , $\pm 20\%$	25	105	0.60	150	25	1.25 $\pm 0.2$
LK 2125 R82-T	RoHS	0.82	$\pm 10\%$ , $\pm 20\%$	25	100	0.65	150	25	1.25 $\pm 0.2$
LK 2125 1R0-T	RoHS	1.0	$\pm 10\%$ , $\pm 20\%$	45	75	0.30	80	10	0.85 $\pm 0.2$
LK 2125 1R2-T	RoHS	1.2	$\pm 10\%$ , $\pm 20\%$	45	65	0.35	80	10	0.85 $\pm 0.2$
LK 2125 1R5-T	RoHS	1.5	$\pm 10\%$ , $\pm 20\%$	45	60	0.40	80	10	0.85 $\pm 0.2$
LK 2125 1R8-T	RoHS	1.8	$\pm 10\%$ , $\pm 20\%$	45	55	0.45	80	10	0.85 $\pm 0.2$
LK 2125 2R2-T	RoHS	2.2	$\pm 10\%$ , $\pm 20\%$	45	50	0.50	50	10	0.85 $\pm 0.2$
LK 2125 2R7-T	RoHS	2.7	$\pm 10\%$ , $\pm 20\%$	45	45	0.55	50	10	1.25 $\pm 0.2$
LK 2125 3R3-T	RoHS	3.3	$\pm 10\%$ , $\pm 20\%$	45	41	0.60	50	10	1.25 $\pm 0.2$
LK 2125 3R9-T	RoHS	3.9	$\pm 10\%$ , $\pm 20\%$	45	38	0.70	30	10	1.25 $\pm 0.2$
LK 2125 4R7-T	RoHS	4.7	$\pm 10\%$ , $\pm 20\%$	45	35	0.70	30	10	1.25 $\pm 0.2$
LK 2125 5R6-T	RoHS	5.6	$\pm 10\%$ , $\pm 20\%$	50	32	0.60	15	4	1.25 $\pm 0.2$
LK 2125 6R8-T	RoHS	6.8	$\pm 10\%$ , $\pm 20\%$	50	29	0.70	15	4	1.25 $\pm 0.2$
LK 2125 8R2-T	RoHS	8.2	$\pm 10\%$ , $\pm 20\%$	50	26	0.70	15	4	1.25 $\pm 0.2$
LK 2125 100-T	RoHS	10	$\pm 10\%$ , $\pm 20\%$	50	24	0.80	15	2	1.25 $\pm 0.2$
LK 2125 120-T	RoHS	12	$\pm 10\%$ , $\pm 20\%$	50	22	0.90	15	2	1.25 $\pm 0.2$
LK 2125 150M-T	RoHS	15	$\pm 20\%$	30	19	0.70	5	1	1.25 $\pm 0.2$
LK 2125 180M-T	RoHS	18	$\pm 20\%$	30	18	0.80	5	1	1.25 $\pm 0.2$
LK 2125 220M-T	RoHS	22	$\pm 20\%$	30	16	0.90	5	1	1.25 $\pm 0.2$
LK 2125 270M-T	RoHS	27	$\pm 20\%$	30	14	1.00	5	1	1.25 $\pm 0.2$
LK 2125 330M-T	RoHS	33	$\pm 20\%$	30	13	1.10	5	0.4	1.25 $\pm 0.2$

※ □ mark indicates the inductance tolerance code.

单击下面可查看定价，库存，交付和生命周期等信息

[>>Taiyo Yuden\(太阳诱电\)](#)