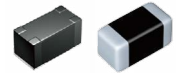


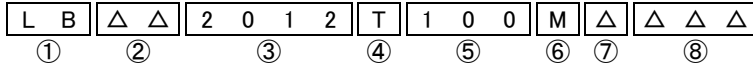
# WIRE-WOUND CHIP INDUCTORS (LB SERIES)



REFLOW

■ PARTS NUMBER

\* Operating Temp.: -40~+105°C (Including self-generated heat)



① Series name

Code	Series name
LB	Wound chip inductor

② Characteristics

Code	Characteristics
ΔΔ	Standard
ΔC	High current
ΔR	Low Rdc
MF	Low loss

③ Dimensions (L × W)

Code	Type (inch)	Dimensions (L × W) [mm]
1608	1608 (0603)	1.6 × 0.8
2012	2012 (0805)	2.0 × 1.25
2016	2016 (0806)	2.0 × 1.6
2518	2518 (1007)	2.5 × 1.8
3218	3218 (1207)	3.2 × 1.8
3225	3225 (1210)	3.2 × 2.5

④ Packaging

Code	Packaging
T	Taping

⑤ Nominal inductance

Code (example)	Nominal inductance [μH]
1R0	1.0
100	10
101	100

※R=Decimal point

⑥ Inductance tolerance

Code	Inductance tolerance
K	±10%
M	±20%

⑦ Special code

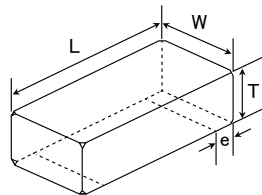
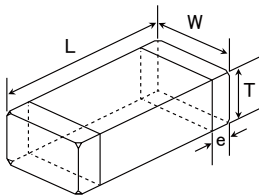
Code	Special code
Δ	Standard
R	Low Rdc type

⑧ Internal code

■ STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY

LB/LB C/LB R

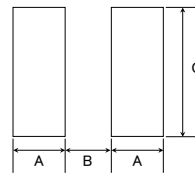
LBMF



Recommended Land Patterns

Surface Mounting

- Mounting and soldering conditions should be checked beforehand.
- Applicable soldering process to these products is reflow soldering only.



Type	A	B	C
1608	0.55	0.7	0.9
MF1608	0.55	0.7	1.0
2012	0.60	1.0	1.45
2016	0.60	1.0	1.8
2518	0.60	1.5	2.0
3218	0.85	1.7	2.0
3225	0.85	1.7	2.7

Unit : mm

Type	L	W	T	e	Standard quantity [pcs]	
					Paper tape	Embossed tape
LB 1608	1.6±0.1 (0.063±0.004)	0.8±0.1 (0.031±0.004)	0.8±0.1 (0.031±0.004)	0.35±0.15 (0.014±0.006)	4000	—
LBMF1608	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.8±0.2 (0.031±0.008)	0.45±0.15 (0.016±0.006)	—	3000
LB 2012 LB C2012 LB R2012	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	1.25±0.2 (0.049±0.008)	0.5±0.2 (0.020±0.008)	—	3000
LB 2016 LB C2016	2.0±0.2 (0.079±0.008)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.2 (0.020±0.008)	—	2000
LB 2518 LB C2518 LB R2518	2.5±0.2 (0.098±0.008)	1.8±0.2 (0.071±0.008)	1.8±0.2 (0.071±0.008)	0.5±0.2 (0.020±0.008)	—	2000
LB 3218	3.2±0.2 (0.126±0.008)	1.8±0.2 (0.071±0.008)	1.8±0.2 (0.071±0.008)	0.6±0.2 (0.024±0.008)	—	2000
LB C3225	3.2±0.2 (0.126±0.008)	2.5±0.2 (0.098±0.008)	2.5±0.2 (0.098±0.008)	0.6±0.3 (0.024±0.012)	—	1000

Unit : mm (inch)

▶ This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our product specification sheets. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our website (<http://www.ty-top.com/>).

■ PARTS NUMBER

● 1608 (0603) type

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] ( $\pm 30\%$ )	Rated current [mA] (max.)	Measuring frequency [MHz]
LB 1608T1R0M	RoHS	1.0	$\pm 20\%$	100	0.17	160	7.96
LB 1608T2R2M	RoHS	2.2	$\pm 20\%$	80	0.33	115	7.96
LB 1608T4R7M	RoHS	4.7	$\pm 20\%$	45	0.55	70	7.96
LB 1608T8R2M	RoHS	8.2	$\pm 20\%$	32	0.70	60	2.52
LB 1608T100M	RoHS	10	$\pm 20\%$	32	0.70	60	2.52

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] ( $\pm 30\%$ )	Rated current [mA] (max.)	Measuring frequency [MHz]
LBMF1608T1R0M	RoHS	1.0	$\pm 20\%$	100	0.09	230	7.96
LBMF1608T2R2M	RoHS	2.2	$\pm 20\%$	80	0.17	160	7.96
LBMF1608T3R3M	RoHS	3.3	$\pm 20\%$	60	0.22	130	7.96
LBMF1608T4R7M	RoHS	4.7	$\pm 20\%$	45	0.24	110	7.96
LBMF1608T100□	RoHS	10	$\pm 10\%$ , $\pm 20\%$	32	0.36	80	2.52
LBMF1608T220□	RoHS	22	$\pm 10\%$ , $\pm 20\%$	16	1.0	50	2.52
LBMF1608T470□	RoHS	47	$\pm 10\%$ , $\pm 20\%$	11	2.5	35	2.52

● 2012 (0805) type

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] ( $\pm 30\%$ )	Rated current [mA] (max.)	Measuring frequency [MHz]
LB 2012T1R0M	RoHS	1.0	$\pm 20\%$	100	0.15	405	7.96
LB 2012T2R2M	RoHS	2.2	$\pm 20\%$	80	0.23	260	7.96
LB 2012T3R3M	RoHS	3.3	$\pm 20\%$	55	0.30	235	7.96
LB 2012T4R7M	RoHS	4.7	$\pm 20\%$	45	0.40	190	7.96
LB 2012T6R8M	RoHS	6.8	$\pm 20\%$	38	0.47	135	7.96
LB 2012T100□	RoHS	10	$\pm 10\%$ , $\pm 20\%$	32	0.70	120	2.52
LB 2012T100□R	RoHS	10	$\pm 10\%$ , $\pm 20\%$	32	0.50	120	2.52
LB 2012T150□	RoHS	15	$\pm 10\%$ , $\pm 20\%$	28	1.3	100	2.52
LB 2012T220□	RoHS	22	$\pm 10\%$ , $\pm 20\%$	16	1.7	80	2.52
LB 2012T470□	RoHS	47	$\pm 10\%$ , $\pm 20\%$	11	3.7	60	2.52
LB 2012T680□	RoHS	68	$\pm 10\%$ , $\pm 20\%$	10	6.0	50	2.52
LB 2012T101□	RoHS	100	$\pm 10\%$ , $\pm 20\%$	8	7.0	45	0.796

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] ( $\pm 30\%$ )	Rated current [mA] (max.)	Measuring frequency [MHz]
LB C2012T1R0M	RoHS	1.0	$\pm 20\%$	100	0.19	620	7.96
LB C2012T2R2M	RoHS	2.2	$\pm 20\%$	70	0.33	430	7.96
LB C2012T4R7M	RoHS	4.7	$\pm 20\%$	45	0.50	295	7.96
LB C2012T100□	RoHS	10	$\pm 10\%$ , $\pm 20\%$	40	1.2	200	2.52
LB C2012T220□	RoHS	22	$\pm 10\%$ , $\pm 20\%$	16	3.7	130	2.52
LB C2012T470□	RoHS	47	$\pm 10\%$ , $\pm 20\%$	11	5.8	90	2.52

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] ( $\pm 30\%$ )	Rated current [mA] (max.)	Measuring frequency [MHz]
LB R2012T1R0M	RoHS	1.0	$\pm 20\%$	100	0.07	400	7.96
LB R2012T2R2M	RoHS	2.2	$\pm 20\%$	80	0.13	260	7.96
LB R2012T4R7M	RoHS	4.7	$\pm 20\%$	45	0.24	200	7.96
LB R2012T100□	RoHS	10	$\pm 10\%$ , $\pm 20\%$	32	0.36	150	2.52
LB R2012T220□	RoHS	22	$\pm 10\%$ , $\pm 20\%$	16	1.0	100	2.52
LB R2012T470□	RoHS	47	$\pm 10\%$ , $\pm 20\%$	11	1.7	75	2.52
LB R2012T101□	RoHS	100	$\pm 10\%$ , $\pm 20\%$	8	4.0	50	0.796

● 2016 (0806) type

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] ( $\pm 30\%$ )	Rated current [mA] (max.)	Measuring frequency [MHz]
LB 2016T1R0M	RoHS	1.0	$\pm 20\%$	100	0.09	490	7.96
LB 2016T1R5M	RoHS	1.5	$\pm 20\%$	80	0.11	380	7.96
LB 2016T2R2M	RoHS	2.2	$\pm 20\%$	70	0.13	375	7.96
LB 2016T3R3M	RoHS	3.3	$\pm 20\%$	55	0.20	285	7.96
LB 2016T4R7M	RoHS	4.7	$\pm 20\%$	45	0.25	225	7.96
LB 2016T6R8M	RoHS	6.8	$\pm 20\%$	38	0.35	200	7.96
LB 2016T100□	RoHS	10	$\pm 10\%$ , $\pm 20\%$	32	0.50	155	2.52
LB 2016T150□	RoHS	15	$\pm 10\%$ , $\pm 20\%$	28	0.70	130	2.52
LB 2016T220□	RoHS	22	$\pm 10\%$ , $\pm 20\%$	16	1.0	105	2.52
LB 2016T330□	RoHS	33	$\pm 10\%$ , $\pm 20\%$	14	1.7	85	2.52
LB 2016T470□	RoHS	47	$\pm 10\%$ , $\pm 20\%$	11	2.4	70	2.52
LB 2016T680□	RoHS	68	$\pm 10\%$ , $\pm 20\%$	10	3.0	55	2.52
LB 2016T101□	RoHS	100	$\pm 10\%$ , $\pm 20\%$	8	4.5	40	0.796

\* □ Please specify the Inductance tolerance code (K or M)

LB/LBC series

Rated Current : The maximum DC value having inductance decrease within 10 % and temperature increase within 20 degC by the application of DC bias.

LBR series

Rated Current : The maximum DC value having inductance decrease within 20 % and temperature increase within 20 degC by the application of DC bias.

■ PARTS NUMBER

Parts number	EHS	Nominal inductance [μH]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (±30%)	Rated current [mA] (max.)	Measuring frequency [MHz]
LB C2016T1R0M	RoHS	1.0	±20%	100	0.10	690	7.96
LB C2016T1R5M	RoHS	1.5	±20%	80	0.15	600	7.96
LB C2016T2R2M	RoHS	2.2	±20%	70	0.20	520	7.96
LB C2016T3R3M	RoHS	3.3	±20%	55	0.27	410	7.96
LB C2016T4R7M	RoHS	4.7	±20%	45	0.37	355	7.96
LB C2016T6R8M	RoHS	6.8	±20%	38	0.59	290	7.96
LB C2016T100□	RoHS	10	±10%, ±20%	32	0.82	245	2.52
LB C2016T150□	RoHS	15	±10%, ±20%	28	1.2	200	2.52
LB C2016T220□	RoHS	22	±10%, ±20%	16	1.8	165	2.52
LB C2016T330□	RoHS	33	±10%, ±20%	14	2.8	135	2.52
LB C2016T470□	RoHS	47	±10%, ±20%	11	4.3	110	2.52
LB C2016T680□	RoHS	68	±10%, ±20%	10	7.0	95	2.52
LB C2016T101□	RoHS	100	±10%, ±20%	8	8.0	75	0.796

● 2518 (1007) type

Parts number	EHS	Nominal inductance [μH]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (±30%)	Rated current [mA] (max.)	Measuring frequency [MHz]
LB 2518T1R0M	RoHS	1.0	±20%	100	0.06	665	7.96
LB 2518T1R5M	RoHS	1.5	±20%	80	0.07	405	7.96
LB 2518T2R2M	RoHS	2.2	±20%	68	0.09	340	7.96
LB 2518T3R3M	RoHS	3.3	±20%	54	0.11	280	7.96
LB 2518T4R7M	RoHS	4.7	±20%	46	0.13	240	7.96
LB 2518T4R7MR	RoHS	4.7	±20%	46	0.10	235	7.96
LB 2518T6R8M	RoHS	6.8	±20%	38	0.15	195	7.96
LB 2518T100□	RoHS	10	±10%, ±20%	30	0.25	165	2.52
LB 2518T150□	RoHS	15	±10%, ±20%	23	0.32	145	2.52
LB 2518T220□	RoHS	22	±10%, ±20%	19	0.50	115	2.52
LB 2518T330□	RoHS	33	±10%, ±20%	15	0.70	95	2.52
LB 2518T470□	RoHS	47	±10%, ±20%	12	0.95	85	2.52
LB 2518T680□	RoHS	68	±10%, ±20%	9.5	1.5	70	2.52
LB 2518T101□	RoHS	100	±10%, ±20%	9.0	2.1	60	0.796
LB 2518T151□	RoHS	150	±10%, ±20%	7.0	3.2	45	0.796
LB 2518T221□	RoHS	220	±10%, ±20%	5.5	4.5	40	0.796
LB 2518T331□	RoHS	330	±10%, ±20%	4.5	7.0	30	0.796
LB 2518T471□	RoHS	470	±10%, ±20%	3.5	10	25	0.796
LB 2518T681□	RoHS	680	±10%, ±20%	3.0	17	20	0.796
LB 2518T102□	RoHS	1000	±10%, ±20%	2.4	24	15	0.252

Parts number	EHS	Nominal inductance [μH]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (±30%)	Rated current [mA] (max.)	Measuring frequency [MHz]
LB C2518T1R0M	RoHS	1.0	±20%	100	0.08	775	7.96
LB C2518T1R0MR	RoHS	1.0	±20%	100	0.07	890	7.96
LB C2518T1R5M	RoHS	1.5	±20%	80	0.11	730	7.96
LB C2518T2R2M	RoHS	2.2	±20%	68	0.13	630	7.96
LB C2518T3R3M	RoHS	3.3	±20%	54	0.16	560	7.96
LB C2518T4R7M	RoHS	4.7	±20%	41	0.20	510	7.96
LB C2518T6R8M	RoHS	6.8	±20%	38	0.30	420	7.96
LB C2518T100□	RoHS	10	±10%, ±20%	30	0.36	375	2.52
LB C2518T150□	RoHS	15	±10%, ±20%	23	0.65	285	2.52
LB C2518T220□	RoHS	22	±10%, ±20%	19	0.77	250	2.52
LB C2518T330□	RoHS	33	±10%, ±20%	15	1.5	185	2.52
LB C2518T470□	RoHS	47	±10%, ±20%	12	1.9	165	2.52
LB C2518T680□	RoHS	68	±10%, ±20%	9.5	2.8	140	2.52
LB C2518T101□	RoHS	100	±10%, ±20%	9.0	3.7	125	0.796
LB C2518T151□	RoHS	150	±10%, ±20%	7.0	6.1	95	0.796
LB C2518T221□	RoHS	220	±10%, ±20%	5.5	8.4	80	0.796
LB C2518T331□	RoHS	330	±10%, ±20%	4.5	12.3	65	0.796
LB C2518T471□	RoHS	470	±10%, ±20%	3.5	22	50	0.796
LB C2518T681□	RoHS	680	±10%, ±20%	3.0	28	45	0.796

Parts number	EHS	Nominal inductance [μH]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (±30%)	Rated current [mA] (max.)	Measuring frequency [MHz]
LB R2518T1R0M	RoHS	1.0	±20%	100	0.045	960	7.96
LB R2518T2R2M	RoHS	2.2	±20%	68	0.07	480	7.96
LB R2518T4R7M	RoHS	4.7	±20%	45	0.10	345	7.96
LB R2518T100□	RoHS	10	±10%, ±20%	30	0.19	235	2.52
LB R2518T220□	RoHS	22	±10%, ±20%	19	0.44	175	2.52
LB R2518T470□	RoHS	47	±10%, ±20%	11	0.84	120	2.52
LB R2518T101□	RoHS	100	±10%, ±20%	9	1.89	80	0.796

□ Please specify the Inductance tolerance code (K or M)

LB/LBC series

Rated Current : The maximum DC value having inductance decrease within 10 % and temperature increase within 20 degC by the application of DC bias.

LBR series

Rated Current : The maximum DC value having inductance decrease within 20 % and temperature increase within 20 degC by the application of DC bias.

▶ This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our product specification sheets. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our website (<http://www.ty-top.com/>).

■ PARTS NUMBER

● 3218 (1207) type

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] ( $\pm 30\%$ )	Rated current [mA] (max.)	Measuring frequency [MHz]
LB 3218T1R0M	RoHS	1.0	$\pm 20\%$	100	0.06	1,075	7.96
LB 3218T1R5M	RoHS	1.5	$\pm 20\%$	80	0.07	860	7.96
LB 3218T2R2M	RoHS	2.2	$\pm 20\%$	68	0.09	775	7.96
LB 3218T3R3M	RoHS	3.3	$\pm 20\%$	54	0.11	560	7.96
LB 3218T4R7M	RoHS	4.7	$\pm 20\%$	41	0.13	550	7.96
LB 3218T6R8M	RoHS	6.8	$\pm 20\%$	40	0.17	380	7.96
LB 3218T100□	RoHS	10	$\pm 10\%$ , $\pm 20\%$	30	0.25	340	2.52
LB 3218T150□	RoHS	15	$\pm 10\%$ , $\pm 20\%$	25	0.32	300	2.52
LB 3218T220□	RoHS	22	$\pm 10\%$ , $\pm 20\%$	19	0.49	255	2.52
LB 3218T330□	RoHS	33	$\pm 10\%$ , $\pm 20\%$	15	0.75	215	2.52
LB 3218T470□	RoHS	47	$\pm 10\%$ , $\pm 20\%$	12	0.92	205	2.52
LB 3218T680□	RoHS	68	$\pm 10\%$ , $\pm 20\%$	11	1.49	145	2.52
LB 3218T101□	RoHS	100	$\pm 10\%$ , $\pm 20\%$	8.0	2.4	140	0.796
LB 3218T151□	RoHS	150	$\pm 10\%$ , $\pm 20\%$	7.0	3.2	105	0.796
LB 3218T221□	RoHS	220	$\pm 10\%$ , $\pm 20\%$	5.0	5.4	80	0.796
LB 3218T331□	RoHS	330	$\pm 10\%$ , $\pm 20\%$	4.0	7.0	65	0.796
LB 3218T471□	RoHS	470	$\pm 10\%$ , $\pm 20\%$	3.5	14	54	0.796
LB 3218T681□	RoHS	680	$\pm 10\%$ , $\pm 20\%$	3.0	17	45	0.796
LB 3218T102□	RoHS	1000	$\pm 10\%$ , $\pm 20\%$	2.4	27	39	0.252

● 3225 (1210) type

Parts number	EHS	Nominal inductance [ $\mu$ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [ $\Omega$ ] ( $\pm 30\%$ )	Rated current [mA] (max.)	Measuring frequency [MHz]
LB C3225T1R0MR	RoHS	1.0	$\pm 20\%$	250	0.055	1,100	0.1
LB C3225T1R5MR	RoHS	1.5	$\pm 20\%$	220	0.060	1,000	0.1
LB C3225T2R2MR	RoHS	2.2	$\pm 20\%$	190	0.080	930	0.1
LB C3225T3R3MR	RoHS	3.3	$\pm 20\%$	160	0.095	820	0.1
LB C3225T4R7MR	RoHS	4.7	$\pm 20\%$	70	0.100	680	0.1
LB C3225T6R8MR	RoHS	6.8	$\pm 20\%$	50	0.120	620	0.1
LB C3225T100□R	RoHS	10	$\pm 10\%$ , $\pm 20\%$	23	0.133	540	0.1
LB C3225T150□R	RoHS	15	$\pm 10\%$ , $\pm 20\%$	20	0.195	420	0.1
LB C3225T220□R	RoHS	22	$\pm 10\%$ , $\pm 20\%$	17	0.27	330	0.1
LB C3225T330□R	RoHS	33	$\pm 10\%$ , $\pm 20\%$	13	0.41	300	0.1
LB C3225T470□R	RoHS	47	$\pm 10\%$ , $\pm 20\%$	10	0.67	220	0.1
LB C3225T680□R	RoHS	68	$\pm 10\%$ , $\pm 20\%$	8	1.0	190	0.1
LB C3225T101□R	RoHS	100	$\pm 10\%$ , $\pm 20\%$	6	1.4	150	0.1

□ Please specify the Inductance tolerance code (K or M)

LB/LBC series

Rated Current : The maximum DC value having inductance decrease within 10 % and temperature increase within 20 degC by the application of DC bias.

单击下面可查看定价，库存，交付和生命周期等信息

[>>Taiyo Yuden\(太阳诱电\)](#)