

Wire-wound Ferrite Power Inductors LBQB/LBQC/LBQE series

for Telecommunications Infrastructure and Industrial Equipment

Code in front of Series have been extracted from Part number, which describes the segment of products, such as kinds and characteristics.

REFLOW

PART NUMBER

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

L	B	Q	B	A	2	0	1	2	1	2	T	1	0	0	M		
①	②	③	④	⑤	⑥	⑦	⑧	⑨									

①Series

Code (1)(2)(3)(4)	
LBQB	Wire-wound Ferrite Power Inductor for Telecommunications Infrastructure and Industrial Equipment
LBQC	Wire-wound Ferrite Power Inductor for Telecommunications Infrastructure and Industrial Equipment
LBQE	Wire-wound Ferrite Power Inductor for Telecommunications Infrastructure and Industrial Equipment

(1) Product Group

Code	
L	Inductors

(2) Category

Code	Recommended equipment	Quality Grade
B	Telecommunications Infrastructure and Industrial Equipment	2

②Features

Code	Feature
A	5-surface electrode (Ag-resin × Sn-plate)

③Dimensions (L × W)

Code	Type (inch)	Dimensions (L × W) [mm]
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

④Dimensions (T)

Code	Dimensions (T) [mm]
12	1.25
16	1.6
18	1.8
25	2.5

(3) Type

Code	
Q	Ferrite Wire-wound (Horizontal type)

(4) Features, Characteristics

Code	
B	Standard
C	High current
E	Low Rdc

⑤Packaging

Code	Packaging
T	Taping

⑥Nominal inductance

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

※R=Decimal point

⑦Inductance tolerance

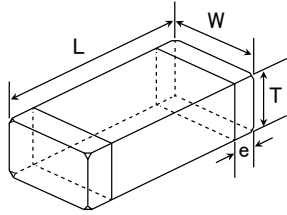
Code	Inductance tolerance
K	±10%
M	±20%

⑧Special code

Code	Special code
R	Low Rdc type

⑨Internal code

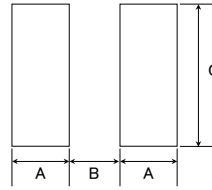
STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



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
A2012	0.60	1.0	1.45
A2016	0.60	1.0	1.8
A2518	0.60	1.5	2.0
A3218	0.85	1.7	2.0
A3225	0.85	1.7	2.7

Unit : mm

Type	L	W	T	e	Standard quantity [pcs]	
					Paper tape	Embossed tape
A201212	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
A201616	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
A251818	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
A321818	3.2±0.2 (0.128±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
A322525	3.2±0.2 (0.128±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)

■ PART NUMBER

• All the Wire-wound Ferrite Inductors of the catalog lineup are RoHS compliant.

Notes)

- The exchange of individual specifications is necessary depending on your application and/or circuit condition. Please contact TAIYO YUDEN's official sales channel.
- The products are for Telecommunications infrastructure and Industrial equipment.
Please consult with TAIYO YUDEN's official sales channel for the details of the product specifications, etc., and please review and approve the product specifications before ordering.

● 2012(0805) type

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQBA201212T1R0M	LB 2012T1R0M 8	1.0	$\pm 20\%$	100	0.15	405	7.96
LBQBA201212T2R2M	LB 2012T2R2M 8	2.2	$\pm 20\%$	80	0.23	260	7.96
LBQBA201212T3R3M	LB 2012T3R3M 8	3.3	$\pm 20\%$	55	0.30	235	7.96
LBQBA201212T4R7M	LB 2012T4R7M 8	4.7	$\pm 20\%$	45	0.40	190	7.96
LBQBA201212T6R8M	LB 2012T6R8M 8	6.8	$\pm 20\%$	38	0.47	135	7.96
LBQBA201212T100K	LB 2012T100K 8	10	$\pm 10\%$	32	0.70	120	2.52
LBQBA201212T100M	LB 2012T100M 8	10	$\pm 20\%$	32	0.70	120	2.52
LBQBA201212T100KR	LB 2012T100KR8	10	$\pm 10\%$	32	0.50	120	2.52
LBQBA201212T100MR	LB 2012T100MR8	10	$\pm 20\%$	32	0.50	120	2.52
LBQBA201212T150K	LB 2012T150K 8	15	$\pm 10\%$	28	1.3	100	2.52
LBQBA201212T150M	LB 2012T150M 8	15	$\pm 20\%$	28	1.3	100	2.52
LBQBA201212T220K	LB 2012T220K 8	22	$\pm 10\%$	16	1.7	80	2.52
LBQBA201212T220M	LB 2012T220M 8	22	$\pm 20\%$	16	1.7	80	2.52
LBQBA201212T470K	LB 2012T470K 8	47	$\pm 10\%$	11	3.7	60	2.52
LBQBA201212T470M	LB 2012T470M 8	47	$\pm 20\%$	11	3.7	60	2.52
LBQBA201212T680K	LB 2012T680K 8	68	$\pm 10\%$	10	6.0	50	2.52
LBQBA201212T680M	LB 2012T680M 8	68	$\pm 20\%$	10	6.0	50	2.52
LBQBA201212T101K	LB 2012T101K 8	100	$\pm 10\%$	8	7.0	45	0.796
LBQBA201212T101M	LB 2012T101M 8	100	$\pm 20\%$	8	7.0	45	0.796

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQCA201212T1R0M	LB C2012T1R0M 8	1.0	$\pm 20\%$	100	0.19	620	7.96
LBQCA201212T2R2M	LB C2012T2R2M 8	2.2	$\pm 20\%$	70	0.33	430	7.96
LBQCA201212T4R7M	LB C2012T4R7M 8	4.7	$\pm 20\%$	45	0.50	295	7.96
LBQCA201212T100K	LB C2012T100K 8	10	$\pm 10\%$	40	1.2	200	2.52
LBQCA201212T100M	LB C2012T100M 8	10	$\pm 20\%$	40	1.2	200	2.52
LBQCA201212T220K	LB C2012T220K 8	22	$\pm 10\%$	16	3.7	130	2.52
LBQCA201212T220M	LB C2012T220M 8	22	$\pm 20\%$	16	3.7	130	2.52
LBQCA201212T470K	LB C2012T470K 8	47	$\pm 10\%$	11	5.8	90	2.52
LBQCA201212T470M	LB C2012T470M 8	47	$\pm 20\%$	11	5.8	90	2.52

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQEA201212T1R0M	LB R2012T1R0M 8	1.0	$\pm 20\%$	100	0.07	400	7.96
LBQEA201212T2R2M	LB R2012T2R2M 8	2.2	$\pm 20\%$	80	0.13	260	7.96
LBQEA201212T4R7M	LB R2012T4R7M 8	4.7	$\pm 20\%$	45	0.24	200	7.96
LBQEA201212T100K	LB R2012T100K 8	10	$\pm 10\%$	32	0.36	150	2.52
LBQEA201212T100M	LB R2012T100M 8	10	$\pm 20\%$	32	0.36	150	2.52
LBQEA201212T220K	LB R2012T220K 8	22	$\pm 10\%$	16	1.0	100	2.52
LBQEA201212T220M	LB R2012T220M 8	22	$\pm 20\%$	16	1.0	100	2.52
LBQEA201212T470K	LB R2012T470K 8	47	$\pm 10\%$	11	1.7	75	2.52
LBQEA201212T470M	LB R2012T470M 8	47	$\pm 20\%$	11	1.7	75	2.52
LBQEA201212T101K	LB R2012T101K 8	100	$\pm 10\%$	8	4.0	50	0.796
LBQEA201212T101M	LB R2012T101M 8	100	$\pm 20\%$	8	4.0	50	0.796

• LBQB/LBQC series

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

• LBQE series

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

PART NUMBER

2016 (0806) type

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQBA201616T1R0M	LB 2016T1R0M 8	1.0	$\pm 20\%$	100	0.09	490	7.96
LBQBA201616T1R5M	LB 2016T1R5M 8	1.5	$\pm 20\%$	80	0.11	380	7.96
LBQBA201616T2R2M	LB 2016T2R2M 8	2.2	$\pm 20\%$	70	0.13	375	7.96
LBQBA201616T3R3M	LB 2016T3R3M 8	3.3	$\pm 20\%$	55	0.20	285	7.96
LBQBA201616T4R7M	LB 2016T4R7M 8	4.7	$\pm 20\%$	45	0.25	225	7.96
LBQBA201616T6R8M	LB 2016T6R8M 8	6.8	$\pm 20\%$	38	0.35	200	7.96
LBQBA201616T100K	LB 2016T100K 8	10	$\pm 10\%$	32	0.50	155	2.52
LBQBA201616T100M	LB 2016T100M 8	10	$\pm 20\%$	32	0.50	155	2.52
LBQBA201616T150K	LB 2016T150K 8	15	$\pm 10\%$	28	0.70	130	2.52
LBQBA201616T150M	LB 2016T150M 8	15	$\pm 20\%$	28	0.70	130	2.52
LBQBA201616T220K	LB 2016T220K 8	22	$\pm 10\%$	16	1.0	105	2.52
LBQBA201616T220M	LB 2016T220M 8	22	$\pm 20\%$	16	1.0	105	2.52
LBQBA201616T330K	LB 2016T330K 8	33	$\pm 10\%$	14	1.7	85	2.52
LBQBA201616T330M	LB 2016T330M 8	33	$\pm 20\%$	14	1.7	85	2.52
LBQBA201616T470K	LB 2016T470K 8	47	$\pm 10\%$	11	2.4	70	2.52
LBQBA201616T470M	LB 2016T470M 8	47	$\pm 20\%$	11	2.4	70	2.52
LBQBA201616T680K	LB 2016T680K 8	68	$\pm 10\%$	10	3.0	55	2.52
LBQBA201616T680M	LB 2016T680M 8	68	$\pm 20\%$	10	3.0	55	2.52
LBQBA201616T101K	LB 2016T101K 8	100	$\pm 10\%$	8	4.5	40	0.796
LBQBA201616T101M	LB 2016T101M 8	100	$\pm 20\%$	8	4.5	40	0.796

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQCA201616T1R0M	LB C2016T1R0M 8	1.0	$\pm 20\%$	100	0.10	690	7.96
LBQCA201616T1R5M	LB C2016T1R5M 8	1.5	$\pm 20\%$	80	0.15	600	7.96
LBQCA201616T2R2M	LB C2016T2R2M 8	2.2	$\pm 20\%$	70	0.20	520	7.96
LBQCA201616T3R3M	LB C2016T3R3M 8	3.3	$\pm 20\%$	55	0.27	410	7.96
LBQCA201616T4R7M	LB C2016T4R7M 8	4.7	$\pm 20\%$	45	0.37	355	7.96
LBQCA201616T6R8M	LB C2016T6R8M 8	6.8	$\pm 20\%$	38	0.59	290	7.96
LBQCA201616T100K	LB C2016T100K 8	10	$\pm 10\%$	32	0.82	245	2.52
LBQCA201616T100M	LB C2016T100M 8	10	$\pm 20\%$	32	0.82	245	2.52
LBQCA201616T150K	LB C2016T150K 8	15	$\pm 10\%$	28	1.2	200	2.52
LBQCA201616T150M	LB C2016T150M 8	15	$\pm 20\%$	28	1.2	200	2.52
LBQCA201616T220K	LB C2016T220K 8	22	$\pm 10\%$	16	1.8	165	2.52
LBQCA201616T220M	LB C2016T220M 8	22	$\pm 20\%$	16	1.8	165	2.52
LBQCA201616T330K	LB C2016T330K 8	33	$\pm 10\%$	14	2.8	135	2.52
LBQCA201616T330M	LB C2016T330M 8	33	$\pm 20\%$	14	2.8	135	2.52
LBQCA201616T470K	LB C2016T470K 8	47	$\pm 10\%$	11	4.3	110	2.52
LBQCA201616T470M	LB C2016T470M 8	47	$\pm 20\%$	11	4.3	110	2.52
LBQCA201616T680K	LB C2016T680K 8	68	$\pm 10\%$	10	7.0	95	2.52
LBQCA201616T680M	LB C2016T680M 8	68	$\pm 20\%$	10	7.0	95	2.52
LBQCA201616T101K	LB C2016T101K 8	100	$\pm 10\%$	8	8.0	75	0.796
LBQCA201616T101M	LB C2016T101M 8	100	$\pm 20\%$	8	8.0	75	0.796

•LBQB/LBQC series

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

•LBQE series

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

■ PART NUMBER

● 2518(1007) type

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQBA251818T1R0M	LB 2518T1R0M 8	1.0	$\pm 20\%$	100	0.06	665	7.96
LBQBA251818T1R5M	LB 2518T1R5M 8	1.5	$\pm 20\%$	80	0.07	405	7.96
LBQBA251818T2R2M	LB 2518T2R2M 8	2.2	$\pm 20\%$	68	0.09	340	7.96
LBQBA251818T3R3M	LB 2518T3R3M 8	3.3	$\pm 20\%$	54	0.11	280	7.96
LBQBA251818T4R7M	LB 2518T4R7M 8	4.7	$\pm 20\%$	46	0.13	240	7.96
LBQBA251818T4R7MR	LB 2518T4R7MR8	4.7	$\pm 20\%$	46	0.10	235	7.96
LBQBA251818T6R8M	LB 2518T6R8M 8	6.8	$\pm 20\%$	38	0.15	195	7.96
LBQBA251818T100K	LB 2518T100K 8	10	$\pm 10\%$	30	0.25	165	2.52
LBQBA251818T100M	LB 2518T100M 8	10	$\pm 20\%$	30	0.25	165	2.52
LBQBA251818T150K	LB 2518T150K 8	15	$\pm 10\%$	23	0.32	145	2.52
LBQBA251818T150M	LB 2518T150M 8	15	$\pm 20\%$	23	0.32	145	2.52
LBQBA251818T220K	LB 2518T220K 8	22	$\pm 10\%$	19	0.50	115	2.52
LBQBA251818T220M	LB 2518T220M 8	22	$\pm 20\%$	19	0.50	115	2.52
LBQBA251818T330K	LB 2518T330K 8	33	$\pm 10\%$	15	0.70	95	2.52
LBQBA251818T330M	LB 2518T330M 8	33	$\pm 20\%$	15	0.70	95	2.52
LBQBA251818T470K	LB 2518T470K 8	47	$\pm 10\%$	12	0.95	85	2.52
LBQBA251818T470M	LB 2518T470M 8	47	$\pm 20\%$	12	0.95	85	2.52
LBQBA251818T680K	LB 2518T680K 8	68	$\pm 10\%$	9.5	1.5	70	2.52
LBQBA251818T680M	LB 2518T680M 8	68	$\pm 20\%$	9.5	1.5	70	2.52
LBQBA251818T101K	LB 2518T101K 8	100	$\pm 10\%$	9.0	2.1	60	0.796
LBQBA251818T101M	LB 2518T101M 8	100	$\pm 20\%$	9.0	2.1	60	0.796
LBQBA251818T151K	LB 2518T151K 8	150	$\pm 10\%$	7.0	3.2	45	0.796
LBQBA251818T151M	LB 2518T151M 8	150	$\pm 20\%$	7.0	3.2	45	0.796
LBQBA251818T221K	LB 2518T221K 8	220	$\pm 10\%$	5.5	4.5	40	0.796
LBQBA251818T221M	LB 2518T221M 8	220	$\pm 20\%$	5.5	4.5	40	0.796
LBQBA251818T331K	LB 2518T331K 8	330	$\pm 10\%$	4.5	7.0	30	0.796
LBQBA251818T331M	LB 2518T331M 8	330	$\pm 20\%$	4.5	7.0	30	0.796
LBQBA251818T471K	LB 2518T471K 8	470	$\pm 10\%$	3.5	10	25	0.796
LBQBA251818T471M	LB 2518T471M 8	470	$\pm 20\%$	3.5	10	25	0.796
LBQBA251818T681K	LB 2518T681K 8	680	$\pm 10\%$	3.0	17	20	0.796
LBQBA251818T681M	LB 2518T681M 8	680	$\pm 20\%$	3.0	17	20	0.796
LBQBA251818T102K	LB 2518T102K 8	1000	$\pm 10\%$	2.4	24	15	0.252
LBQBA251818T102M	LB 2518T102M 8	1000	$\pm 20\%$	2.4	24	15	0.252

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQCA251818T1R0M	LB C2518T1R0M 8	1.0	$\pm 20\%$	100	0.080	775	7.96
LBQCA251818T1R0MR	LB C2518T1R0MR8	1.0	$\pm 20\%$	100	0.065	890	7.96
LBQCA251818T1R5M	LB C2518T1R5M 8	1.5	$\pm 20\%$	80	0.110	730	7.96
LBQCA251818T2R2M	LB C2518T2R2M 8	2.2	$\pm 20\%$	68	0.130	630	7.96
LBQCA251818T3R3M	LB C2518T3R3M 8	3.3	$\pm 20\%$	54	0.160	560	7.96
LBQCA251818T4R7M	LB C2518T4R7M 8	4.7	$\pm 20\%$	41	0.200	510	7.96
LBQCA251818T6R8M	LB C2518T6R8M 8	6.8	$\pm 20\%$	38	0.300	420	7.96
LBQCA251818T100K	LB C2518T100K 8	10	$\pm 10\%$	30	0.360	375	2.52
LBQCA251818T100M	LB C2518T100M 8	10	$\pm 20\%$	30	0.360	375	2.52
LBQCA251818T150K	LB C2518T150K 8	15	$\pm 10\%$	23	0.650	285	2.52
LBQCA251818T150M	LB C2518T150M 8	15	$\pm 20\%$	23	0.650	285	2.52
LBQCA251818T220K	LB C2518T220K 8	22	$\pm 10\%$	19	0.770	250	2.52
LBQCA251818T220M	LB C2518T220M 8	22	$\pm 20\%$	19	0.770	250	2.52
LBQCA251818T330K	LB C2518T330K 8	33	$\pm 10\%$	15	1.50	185	2.52
LBQCA251818T330M	LB C2518T330M 8	33	$\pm 20\%$	15	1.50	185	2.52
LBQCA251818T470K	LB C2518T470K 8	47	$\pm 10\%$	12	1.90	165	2.52
LBQCA251818T470M	LB C2518T470M 8	47	$\pm 20\%$	12	1.90	165	2.52
LBQCA251818T680K	LB C2518T680K 8	68	$\pm 10\%$	9.5	2.80	140	2.52
LBQCA251818T680M	LB C2518T680M 8	68	$\pm 20\%$	9.5	2.80	140	2.52
LBQCA251818T101K	LB C2518T101K 8	100	$\pm 10\%$	9.0	3.70	125	0.796
LBQCA251818T101M	LB C2518T101M 8	100	$\pm 20\%$	9.0	3.70	125	0.796
LBQCA251818T151K	LB C2518T151K 8	150	$\pm 10\%$	7.0	6.10	95	0.796
LBQCA251818T151M	LB C2518T151M 8	150	$\pm 20\%$	7.0	6.10	95	0.796
LBQCA251818T221K	LB C2518T221K 8	220	$\pm 10\%$	5.5	8.40	80	0.796
LBQCA251818T221M	LB C2518T221M 8	220	$\pm 20\%$	5.5	8.40	80	0.796
LBQCA251818T331K	LB C2518T331K 8	330	$\pm 10\%$	4.5	12.3	65	0.796
LBQCA251818T331M	LB C2518T331M 8	330	$\pm 20\%$	4.5	12.3	65	0.796
LBQCA251818T471K	LB C2518T471K 8	470	$\pm 10\%$	3.5	22.0	50	0.796
LBQCA251818T471M	LB C2518T471M 8	470	$\pm 20\%$	3.5	22.0	50	0.796
LBQCA251818T681K	LB C2518T681K 8	680	$\pm 10\%$	3.0	28.0	45	0.796
LBQCA251818T681M	LB C2518T681M 8	680	$\pm 20\%$	3.0	28.0	45	0.796

・LBQB/LBQC series

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

・LBQE series

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

■ PART NUMBER

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQEA251818T1R0M	LB R2518T1R0M 8	1.0	$\pm 20\%$	100	0.045	960	7.96
LBQEA251818T2R2M	LB R2518T2R2M 8	2.2	$\pm 20\%$	68	0.07	480	7.96
LBQEA251818T4R7M	LB R2518T4R7M 8	4.7	$\pm 20\%$	45	0.10	345	7.96
LBQEA251818T100K	LB R2518T100K 8	10	$\pm 10\%$	30	0.19	235	2.52
LBQEA251818T100M	LB R2518T100M 8	10	$\pm 20\%$	30	0.19	235	2.52
LBQEA251818T220K	LB R2518T220K 8	22	$\pm 10\%$	19	0.44	175	2.52
LBQEA251818T220M	LB R2518T220M 8	22	$\pm 20\%$	19	0.44	175	2.52
LBQEA251818T470K	LB R2518T470K 8	47	$\pm 10\%$	11	0.84	120	2.52
LBQEA251818T470M	LB R2518T470M 8	47	$\pm 20\%$	11	0.84	120	2.52
LBQEA251818T101K	LB R2518T101K 8	100	$\pm 10\%$	9	1.89	80	0.796
LBQEA251818T101M	LB R2518T101M 8	100	$\pm 20\%$	9	1.89	80	0.796

● 3218 (1207) type

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQBA321818T1R0M	LB 3218T1R0M 8	1.0	$\pm 20\%$	100	0.06	1,075	7.96
LBQBA321818T1R5M	LB 3218T1R5M 8	1.5	$\pm 20\%$	80	0.07	860	7.96
LBQBA321818T2R2M	LB 3218T2R2M 8	2.2	$\pm 20\%$	68	0.09	775	7.96
LBQBA321818T3R3M	LB 3218T3R3M 8	3.3	$\pm 20\%$	54	0.11	560	7.96
LBQBA321818T4R7M	LB 3218T4R7M 8	4.7	$\pm 20\%$	41	0.13	550	7.96
LBQBA321818T6R8M	LB 3218T6R8M 8	6.8	$\pm 20\%$	40	0.17	380	7.96
LBQBA321818T100K	LB 3218T100K 8	10	$\pm 10\%$	30	0.25	340	2.52
LBQBA321818T100M	LB 3218T100M 8	10	$\pm 20\%$	30	0.25	340	2.52
LBQBA321818T150K	LB 3218T150K 8	15	$\pm 10\%$	25	0.32	300	2.52
LBQBA321818T150M	LB 3218T150M 8	15	$\pm 20\%$	25	0.32	300	2.52
LBQBA321818T220K	LB 3218T220K 8	22	$\pm 10\%$	19	0.49	255	2.52
LBQBA321818T220M	LB 3218T220M 8	22	$\pm 20\%$	19	0.49	255	2.52
LBQBA321818T330K	LB 3218T330K 8	33	$\pm 10\%$	15	0.75	215	2.52
LBQBA321818T330M	LB 3218T330M 8	33	$\pm 20\%$	15	0.75	215	2.52
LBQBA321818T470K	LB 3218T470K 8	47	$\pm 10\%$	12	0.92	205	2.52
LBQBA321818T470M	LB 3218T470M 8	47	$\pm 20\%$	12	0.92	205	2.52
LBQBA321818T680K	LB 3218T680K 8	68	$\pm 10\%$	11	1.49	145	2.52
LBQBA321818T680M	LB 3218T680M 8	68	$\pm 20\%$	11	1.49	145	2.52
LBQBA321818T101K	LB 3218T101K 8	100	$\pm 10\%$	8.0	2.4	140	0.796
LBQBA321818T101M	LB 3218T101M 8	100	$\pm 20\%$	8.0	2.4	140	0.796
LBQBA321818T151K	LB 3218T151K 8	150	$\pm 10\%$	7.0	3.2	105	0.796
LBQBA321818T151M	LB 3218T151M 8	150	$\pm 20\%$	7.0	3.2	105	0.796
LBQBA321818T221K	LB 3218T221K 8	220	$\pm 10\%$	5.0	5.4	80	0.796
LBQBA321818T221M	LB 3218T221M 8	220	$\pm 20\%$	5.0	5.4	80	0.796
LBQBA321818T331K	LB 3218T331K 8	330	$\pm 10\%$	4.0	7.0	65	0.796
LBQBA321818T331M	LB 3218T331M 8	330	$\pm 20\%$	4.0	7.0	65	0.796
LBQBA321818T471K	LB 3218T471K 8	470	$\pm 10\%$	3.5	14	54	0.796
LBQBA321818T471M	LB 3218T471M 8	470	$\pm 20\%$	3.5	14	54	0.796
LBQBA321818T681K	LB 3218T681K 8	680	$\pm 10\%$	3.0	17	45	0.796
LBQBA321818T681M	LB 3218T681M 8	680	$\pm 20\%$	3.0	17	45	0.796
LBQBA321818T102K	LB 3218T102K 8	1000	$\pm 10\%$	2.4	27	39	0.252
LBQBA321818T102M	LB 3218T102M 8	1000	$\pm 20\%$	2.4	27	39	0.252

● 3225 (1210) type

New part number	Old part number (for reference)	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 30\%$)	Rated current [mA] (max.)	Measuring frequency [MHz]
LBQCA322525T1R0MR	LB C3225T1R0MR8	1.0	$\pm 20\%$	250	0.055	1,100	0.1
LBQCA322525T1R5MR	LB C3225T1R5MR8	1.5	$\pm 20\%$	220	0.060	1,000	0.1
LBQCA322525T2R2MR	LB C3225T2R2MR8	2.2	$\pm 20\%$	190	0.080	930	0.1
LBQCA322525T3R3MR	LB C3225T3R3MR8	3.3	$\pm 20\%$	160	0.095	820	0.1
LBQCA322525T4R7MR	LB C3225T4R7MR8	4.7	$\pm 20\%$	70	0.100	680	0.1
LBQCA322525T6R8MR	LB C3225T6R8MR8	6.8	$\pm 20\%$	50	0.120	620	0.1
LBQCA322525T100KR	LB C3225T100KR8	10	$\pm 10\%$	23	0.133	540	0.1
LBQCA322525T100MR	LB C3225T100MR8	10	$\pm 20\%$	23	0.133	540	0.1
LBQCA322525T150KR	LB C3225T150KR8	15	$\pm 10\%$	20	0.195	420	0.1
LBQCA322525T150MR	LB C3225T150MR8	15	$\pm 20\%$	20	0.195	420	0.1
LBQCA322525T220KR	LB C3225T220KR8	22	$\pm 10\%$	17	0.27	330	0.1
LBQCA322525T220MR	LB C3225T220MR8	22	$\pm 20\%$	17	0.27	330	0.1
LBQCA322525T330KR	LB C3225T330KR8	33	$\pm 10\%$	13	0.41	300	0.1
LBQCA322525T330MR	LB C3225T330MR8	33	$\pm 20\%$	13	0.41	300	0.1
LBQCA322525T470KR	LB C3225T470KR8	47	$\pm 10\%$	10	0.67	220	0.1
LBQCA322525T470MR	LB C3225T470MR8	47	$\pm 20\%$	10	0.67	220	0.1
LBQCA322525T680KR	LB C3225T680KR8	68	$\pm 10\%$	8	1.0	190	0.1
LBQCA322525T680MR	LB C3225T680MR8	68	$\pm 20\%$	8	1.0	190	0.1
LBQCA322525T101KR	LB C3225T101KR8	100	$\pm 10\%$	6	1.4	150	0.1
LBQCA322525T101MR	LB C3225T101MR8	100	$\pm 20\%$	6	1.4	150	0.1

・LBQB/LBQC series

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

・LBQE series

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

Derating of Rated Current

LBQB/LBQC/LBQE series

Derating of current is necessary for LBQB/LBQC/LBQE series depending on ambient temperature. Please refer to the chart shown below for appropriate derating of current.

