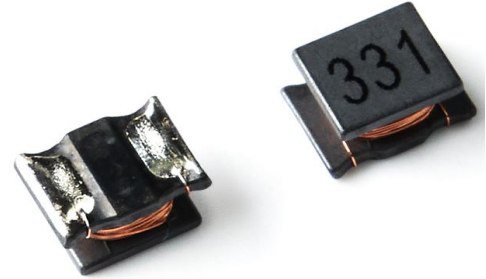


SPECIFICATION OF BS□□□□LQCMU SERIES

FEATURES

1. This miniature chip inductors wound on a special ferrite core.
2. Low DC resistance , high current capacity , and high saturation for surface mounting.
3. They are excellent for use as choke coil in DC power supply circuits.
4. Excellent solder heat resistance. Both flow and re flow soldering methods can be employed.



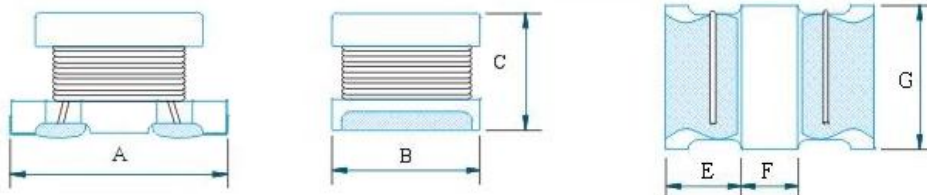
APPLICATIONS

Personal computers. Disk Drives and computer peripherals.
 Pagers, Cordless phone. DC power supply circuits.

ORDERING CODE

BS3225LQCMU 100 M I
 (1) (2) (3) (4)

- (1) PRODUCT TYPE CODE AND SIZE CODE
- (2) INDUCTANCE
- (3) INDUCTANCE TOLERANCE (K : ±10%, M : ±20%)
- (4) REEL TAPING



SHAPE & DIMENSIONS

UNIT:mm

SIZE CODE	A	B	C	E	F	G
BS3216LQCMU	3.2±0.3	1.6±0.2	1.8±0.2	1.5	1.0	1.5
BS3225LQCMU	3.2±0.3	2.5±0.2	2.0±0.2	1.5	1.0	2.0
BS4532LQCMU	4.5±0.3	3.2±0.2	2.6±0.2	2.0	1.2	3.0
BS5750LQCMU	5.7±0.3	5.0±0.3	4.7±0.3	2.0	2.0	5.0

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MINIATURE SURFACE MOUNT CHIP INDUCTORS → BS3216LQCMU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (MHz)	DC Resistance (Ω)max	Self Resonant Frequency (MHz)TYP	Isat (mA)max
BS3216LQCMUR12□T	0.12	25.2	0.112	250	970
BS3216LQCMUR22□T	0.22	25.2	0.140	250	850
BS3216LQCMUR47□T	0.47	25.2	0.210	180	700
BS3216LQCMU1R0□T	1.0	7.96	0.364	100	510
BS3216LQCMU2R2□T	2.2	7.96	0.533	50	430
BS3216LQCMU4R7□T	4.7	7.96	0.845	31	340
BS3216LQCMU100□T	10	2.52	1.690	20	230
BS3216LQCMU220□T	22	2.52	3.900	14	160
BS3216LQCMU470□T	47	2.52	10.400	10	100
BS3216LQCMU101□T	100	0.796	15.600	7	80

※Tolerance: K \pm 10%,M \pm 20%

※Isat:Based on Inductance decrease 10%

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MINIATURE SURFACE MOUNT CHIP INDUCTORS → BS3225LQCMU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (MHz)	DC Resistance (Ω)max	Self Resonant Frequency (MHz)TYP	Isat (mA)max
BS3225LQCMU1R0□T	1.0	7.96	0.078	100	1000
BS3225LQCMU2R2□T	2.2	7.96	0.126	64	790
BS3225LQCMU4R7□T	4.7	7.96	0.195	43	450
BS3225LQCMU100□T	10	2.52	0.572	26	300
BS3225LQCMU220□T	22	2.52	0.923	19	250
BS3225LQCMU470□T	47	2.52	1.690	15	170
BS3225LQCMU101□T	100	0.796	4.550	10	100
BS3225LQCMU221□T	220	0.796	10.920	6.8	70
BS3225LQCMU331□T	330	0.796	13.000	5.6	60
BS3225LQCMU391□T	390	0.796	22.100	5	60
BS3225LQCMU471□T	470	0.796	24.700	5	60
BS3225LQCMU561□T	560	0.796	28.600	5	60

※Tolerance: K \pm 10%,M \pm 20%

※Isat:Based on Inductance decrease 10%

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MINIATURE SURFACE MOUNT CHIP INDUCTORS → BS4532LQCMU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (MHz)	DC Resistance (Ω)max	Self Resonant Frequency (MHz)TYP	Isat (mA)max
BS4532LQCMU1R0□T	1.0	7.96	0.08	100	1080
BS4532LQCMU1R5□T	1.5	7.96	0.09	85	1000
BS4532LQCMU2R2□T	2.2	7.96	0.11	60	900
BS4532LQCMU3R3□T	3.3	7.96	0.13	47	800
BS4532LQCMU4R7□T	4.7	7.96	0.15	35	750
BS4532LQCMU6R8□T	6.8	7.96	0.20	30	720
BS4532LQCMU100□T	10	2.52	0.24	23	650
BS4532LQCMU150□T	15	2.52	0.32	20	570
BS4532LQCMU220□T	22	2.52	0.60	15	420
BS4532LQCMU330□T	33	2.52	1.00	12	310
BS4532LQCMU470□T	47	2.52	1.10	10	280
BS4532LQCMU680□T	68	2.52	1.70	8.4	220
BS4532LQCMU101□T	100	0.796	2.20	6.8	190
BS4532LQCMU151□T	150	0.796	3.50	5.5	130
BS4532LQCMU221□T	220	0.796	4.00	4.5	110
BS4532LQCMU331□T	330	0.796	6.80	3.6	100
BS4532LQCMU471□T	470	0.796	8.50	3.0	90

※Tolerance: K \pm 10%,M \pm 20%

※Isat:Based on Inductance decrease 10%

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MINIATURE SURFACE MOUNT CHIP INDUCTORS → BS5750LQCMU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (MHz)	DC Resistance (Ω)max	Self Resonant Frequency (MHz)TYP	Isat (mA)max
BS5750LQCMUR12□T	0.12	100	0.0098	450	6000
BS5750LQCMUR27□T	0.27	100	0.0140	300	5300
BS5750LQCMUR47□T	0.47	100	0.0182	200	4800
BS5750LQCMU1R0□T	1.0	100	0.0270	150	4000
BS5750LQCMU1R5□T	1.5	100	0.0310	110	3700
BS5750LQCMU2R2□T	2.2	100	0.0410	80	3200
BS5750LQCMU3R3□T	3.3	100	0.0500	40	2900
BS5750LQCMU4R7□T	4.7	100	0.0574	30	2700
BS5750LQCMU6R8□T	6.8	100	0.1040	25	2000
BS5750LQCMU100□T	10	100	0.1300	20	1700
BS5750LQCMU150□T	15	100	0.2100	17	1400
BS5750LQCMU220□T	22	100	0.2660	15	1200
BS5750LQCMU330□T	33	100	0.4480	12	900
BS5750LQCMU470□T	47	100	0.5600	10	800
BS5750LQCMU680□T	68	100	0.9380	7.6	640
BS5750LQCMU101□T	100	100	1.2040	6.5	560
BS5750LQCMU151□T	150	100	2.6600	5.0	420
BS5750LQCMU221□T	220	100	3.3600	4.0	320
BS5750LQCMU331□T	330	100	6.1600	3.1	270
BS5750LQCMU471□T	470	100	7.5600	2.4	240
BS5750LQCMU681□T	680	100	11.3400	1.9	190
BS5750LQCMU102□T	1000	100	14.4200	1.7	150
BS5750LQCMU222□T	2200	100	30.1000	1.2	100
BS5750LQCMU472□T	4700	100	61.0400	0.8	70
BS5750LQCMU103□T	10000	100	140.0000	0.5	50

※Tolerance: K \pm 10%,M \pm 20%

※Isat:Based on Inductance decrease 10%

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