



Chip Coils Wound Type SMD (Cont.)

Dimensions in mm

LQH44P Series

Large DC current rating of up to 2.95A. Offers both low DC resistance between 0.03-0.37Ω and low power loss. Wide operating temperature range of -40°C-85°C. Available for extended requirements. Wide inductance range from 1.2μH-22μH. Magnetically shielded structure. Reflowable.

LQH43C Series

Consists of miniature chip inductors with low DC resistance, high current capacity, and high impedance characteristics. It is suitable for use as choke coil in DC power supply circuits.

LQH43M Series

Consists of winding type chip coils for general use by Murata's original auto winding technology and ferrite core. High Q value at high frequency and low DC resistance.

LQH55P Series

Large allowable DC current of 2600mA (at 1.2 μH). The series has an inductance range from 1.2μH-22μH. Magnetically shielded structure. Reflow soldering methods can be employed.

LQH6PP Series

Large rated current of 4.30A (at 1.0μH). The series has an inductance range from 1.0μH ~ 100μH. Magnetically shielded structure. Reflow soldering methods can be employed. **Applications:** • DC-DC Converter

LQH88P Series

Large rated current of 8.00A (at 1.0μH). The series has an inductance range from 1.0μH ~ 100μH. Magnetically shielded structure. Reflow soldering methods can be employed. **Applications:** • DC-DC Converter

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| Inductance | Tolerance | Test Freq. (MHz) | Rated Current (mA) | Q (Min.) | DCR (Ω) | SRF | Digi-Key Part No. | Cut Tape Price Each | | | Digi-Key Part No. | Tape and Reel ¹⁾ | | Murata Part No. |
|----------------------------------|-----------|------------------|--------------------|----------|------------|---------|-------------------|---------------------|-----|-----|-------------------|-----------------------------|----------|-----------------|
| | | | | | | | | 1 | 10 | 100 | | Qty. | Pricing | |
| 1.5μH | ±30% | 1 | 1750 | — | 0.057 ±20% | 70 MHz | 490-5335-1-ND | .39 | .33 | .26 | 490-5335-2-ND | 2,000 | 113.18/M | LQH32PN1R5NNOL |
| 2.2μH | ±30% | 1 | 1600 | — | 0.076 ±20% | 70 MHz | 490-5336-1-ND | .39 | .33 | .26 | 490-5336-2-ND | 2,000 | 113.18/M | LQH32PN2R2NNOL |
| 3.3μH | ±30% | 1 | 1200 | — | 0.12 ±20% | 50 MHz | 490-5337-1-ND | .39 | .33 | .26 | 490-5337-2-ND | 2,000 | 113.18/M | LQH32PN3R3NNOL |
| 4.7μH | ±30% | 1 | 1000 | — | 0.18 ±20% | 40 MHz | 490-5338-1-ND | .39 | .33 | .26 | 490-5338-2-ND | 2,000 | 113.18/M | LQH32PN4R7NNOL |
| 6.8μH | ±30% | 1 | 850 | — | 0.24 ±20% | 40 MHz | 490-5339-1-ND | .39 | .33 | .26 | 490-5339-2-ND | 2,000 | 113.18/M | LQH32PN6R8NNOL |
| 10μH | ±20% | 1 | 700 | — | 0.38 ±20% | 30 MHz | 490-5340-1-ND | .39 | .33 | .26 | 490-5340-2-ND | 2,000 | 113.18/M | LQH32PN100MNL |
| 22μH | ±20% | 1 | 450 | — | 0.81 ±20% | 20 MHz | 490-5341-1-ND | .39 | .33 | .26 | 490-5341-2-ND | 2,000 | 113.18/M | LQH32PN220MNL |
| LQH44P Series — Case 1515 | | | | | | | | | | | | | | |
| 1.0μH | ±30% | 1 | 2450 | — | 0.030 ±20% | 90 MHz | 490-5325-1-ND | .44 | .37 | .30 | 490-5325-2-ND | 1,000 | 128.05 | LQH44PN1R0NPOL |
| 2.2μH | ±20% | 1 | 1800 | — | 0.049 ±20% | 70 MHz | 490-5326-1-ND | .44 | .37 | .30 | 490-5326-2-ND | 1,000 | 128.05 | LQH44PN2R2MPOL |
| 3.3μH | ±20% | 1 | 1770 | — | 0.065 ±20% | 50 MHz | 490-5327-1-ND | .44 | .37 | .30 | 490-5327-2-ND | 1,000 | 128.05 | LQH44PN3R3MPOL |
| 4.7μH | ±20% | 1 | 1700 | — | 0.080 ±20% | 40 MHz | 490-5328-1-ND | .44 | .37 | .30 | 490-5328-2-ND | 1,000 | 128.05 | LQH44PN4R7MPOL |
| 6.8μH | ±20% | 1 | 1340 | — | 0.12 ±20% | 35 MHz | 490-5329-1-ND | .44 | .37 | .30 | 490-5329-2-ND | 1,000 | 128.05 | LQH44PN6R8MPOL |
| 10μH | ±20% | 1 | 1170 | — | 0.16 ±20% | 25 MHz | 490-5330-1-ND | .44 | .37 | .30 | 490-5330-2-ND | 1,000 | 128.05 | LQH44PN100MPL |
| 22μH | ±20% | 1 | 790 | — | 0.37 ±20% | 17 MHz | 490-5331-1-ND | .44 | .37 | .30 | 490-5331-2-ND | 1,000 | 128.05 | LQH44PN220MPL |
| LQH43C Series — Case 1812 | | | | | | | | | | | | | | |
| 1.0μH | ±20% | 1 | 1080 | — | 0.08 max. | 100 MHz | 490-2514-1-ND | .53 | .44 | .36 | 490-2514-2-ND | 500 | 76.91 | LQH43CN1R0M03L |
| 2.2μH | ±20% | 1 | 900 | — | 0.11 max. | 60 MHz | 490-2515-1-ND | .53 | .44 | .36 | 490-2515-2-ND | 500 | 76.91 | LQH43CN2R2M03L |
| 3.3μH | ±20% | 1 | 800 | — | 0.13 max. | 47 MHz | 490-2516-1-ND | .53 | .44 | .36 | 490-2516-2-ND | 500 | 76.91 | LQH43CN3R3M03L |
| 4.7μH | ±20% | 1 | 750 | — | 0.15 max. | 35 MHz | 490-2517-1-ND | .53 | .44 | .36 | 490-2517-2-ND | 500 | 76.91 | LQH43CN4R7M03L |
| 6.8μH | ±20% | 1 | 720 | — | 0.20 max. | 30 MHz | 490-2518-1-ND | .53 | .44 | .36 | 490-2518-2-ND | 500 | 76.91 | LQH43CN6R8M03L |
| 10μH | ±10% | 1 | 650 | — | 0.24 max. | 23 MHz | 490-2519-1-ND | .53 | .44 | .36 | 490-2519-2-ND | 500 | 76.91 | LQH43CN100K03L |
| 33μH | ±10% | 1 | 310 | — | 1.0 max. | 12 MHz | 490-2520-1-ND | .53 | .44 | .36 | 490-2520-2-ND | 500 | 76.91 | LQH43CN330K03L |
| 47μH | ±10% | 1 | 280 | — | 1.1 max. | 10 MHz | 490-2521-1-ND | .53 | .44 | .36 | 490-2521-2-ND | 500 | 76.91 | LQH43CN470K03L |
| 68μH | ±10% | 1 | 220 | — | 1.7 max. | 8.4 MHz | 490-2522-1-ND | .53 | .44 | .36 | 490-2522-2-ND | 500 | 76.91 | LQH43CN680K03L |
| 330μH | ±10% | 1 | 100 | — | 6.8 max. | 3.6 MHz | 490-2523-1-ND | .55 | .47 | .37 | 490-2523-2-ND | 500 | 80.67 | LQH43CN331K03L |
| 470μH | ±10% | 1kHz | 90 | — | 8.5 max. | 3.0 MHz | 490-2524-1-ND | .55 | .47 | .37 | 490-2524-2-ND | 500 | 80.67 | LQH43CN471K03L |
| LQH43M Series — Case 1812 | | | | | | | | | | | | | | |
| 3.9μH | ±10% | 1 | 500 | 20 | 0.38 max. | 41 MHz | 490-2525-1-ND | .65 | .55 | .44 | 490-2525-2-ND | 500 | 94.91 | LQH43MN3R9M03L |
| 5.6μH | ±10% | 1 | 500 | 30 | 0.47 max. | 33 MHz | 490-2526-1-ND | .65 | .55 | .44 | 490-2526-2-ND | 500 | 94.91 | LQH43M5R6K03L |
| 27μH | ±10% | 1 | 300 | 35 | 1.1 max. | 14 MHz | 490-2527-1-ND | .52 | .44 | .35 | 490-2527-2-ND | 500 | 76.48 | LQH43MN270K03L |
| 82μH | ±10% | 1 | 170 | 35 | 2.2 max. | 7.5 MHz | 490-2528-1-ND | .52 | .44 | .35 | 490-2528-2-ND | 500 | 76.48 | LQH43MN820K03L |
| 150μH | ±10% | 1 | 130 | 40★ | 3.7 max. | 5.5 MHz | 490-2529-1-ND | .52 | .44 | .35 | 490-2529-2-ND | 500 | 76.48 | LQH43MN151K03L |
| LQH55P Series — Case 2220 | | | | | | | | | | | | | | |
| 1.2μH | ±30% | 100kHz | 2900 | — | 0.021 ±20% | 80 MHz | 490-5265-1-ND | .51 | .43 | .35 | 490-5265-2-ND | 500 | 74.35 | LQH55PN1R2NR0L |
| 2.2μH | ±30% | 100kHz | 2500 | — | 0.031 ±20% | 60 MHz | 490-5266-1-ND | .51 | .43 | .35 | 490-5266-2-ND | 500 | 74.35 | LQH55PN2R2NR0L |
| 2.7μH | ±30% | 100kHz | 2150 | — | 0.040 ±20% | 50 MHz | 490-5267-1-ND | .51 | .43 | .35 | 490-5267-2-ND | 500 | 74.35 | LQH55PN2R7NR0L |
| 3.3μH | ±30% | 100kHz | 2000 | — | 0.044 ±20% | 35 MHz | 490-5268-1-ND | .51 | .43 | .35 | 490-5268-2-ND | 500 | 74.35 | LQH55PN3R3NR0L |
| 4.7μH | ±30% | 100kHz | 1750 | — | 0.060 ±20% | 30 MHz | 490-5269-1-ND | .51 | .43 | .35 | 490-5269-2-ND | 500 | 74.35 | LQH55PN4R7NR0L |
| 6.8μH | ±30% | 100kHz | 1450 | — | 0.087 ±20% | 25 MHz | 490-5270-1-ND | .51 | .43 | .35 | 490-5270-2-ND | 500 | 74.35 | LQH55PN6R8NR0L |
| 10μH | ±20% | 100kHz | 1250 | — | 0.11 ±20% | 20 MHz | 490-5271-1-ND | .51 | .43 | .35 | 490-5271-2-ND | 500 | 74.35 | LQH55PN100MR0L |
| 22μH | ±20% | 100kHz | 850 | — | 0.26 ±20% | 10 MHz | 490-5272-1-ND | .51 | .43 | .35 | 490-5272-2-ND | 500 | 74.35 | LQH55PN220MR0L |
| LQH6PP Series — Case 2424 | | | | | | | | | | | | | | |
| 1.0μH | ±30% | 100kHz | 4300 | — | 0.009 ±30% | 110 MHz | 490-5424-1-ND | .55 | .46 | .37 | 490-5424-2-ND | 250 | 39.45 | LQH6PPN1R0N43L |
| 1.5μH | ±30% | 100kHz | 4150 | — | 0.010 ±30% | 60 MHz | 490-5425-1-ND | .55 | .46 | .37 | 490-5425-2-ND | 250 | 39.45 | LQH6PPN1R5N43L |
| 2.2μH | ±30% | 100kHz | 4100 | — | 0.014 ±30% | 30 MHz | 490-5426-1-ND | .55 | .46 | .37 | 490-5426-2-ND | 250 | 39.45 | LQH6PPN2R2N43L |
| 3.3μH | ±30% | 100kHz | 3800 | — | 0.016 ±30% | 30 MHz | 490-5427-1-ND | .55 | .46 | .37 | 490-5427-2-ND | 250 | 39.45 | LQH6PPN3R3N43L |
| 4.7μH | ±20% | 100kHz | 3200 | — | 0.020 ±30% | 25 MHz | 490-5428-1-ND | .55 | .46 | .37 | 490-5428-2-ND | 250 | 39.45 | LQH6PPN4R7M43L |
| 6.8μH | ±20% | 100kHz | 2850 | — | 0.028 ±30% | 20 MHz | 490-5429-1-ND | .55 | .46 | .37 | 490-5429-2-ND | 250 | 39.45 | LQH6PPN6R8M43L |
| 10μH | ±20% | 100kHz | 2600 | — | 0.044 ±30% | 15 MHz | 490-5430-1-ND | .55 | .46 | .37 | 490-5430-2-ND | 250 | 39.45 | LQH6PPN100M43L |
| 15μH | ±20% | 100kHz | 2200 | — | 0.065 ±30% | 10 MHz | 490-5431-1-ND | .55 | .46 | .37 | 490-5431-2-ND | 250 | 39.45 | LQH6PPN150M43L |
| 22μH | ±20% | 100kHz | 1550 | — | 0.108 ±30% | 10 MHz | 490-5432-1-ND | .55 | .46 | .37 | 490-5432-2-ND | 250 | 39.45 | LQH6PPN220M43L |
| 33μH | ±20% | 100kHz | 1290 | — | 0.137 ±30% | 6 MHz | 490-5433-1-ND | .55 | .46 | .37 | 490-5433-2-ND | 250 | 39.45 | LQH6PPN330M43L |
| 47μH | ±20% | 100kHz | 1100 | — | 0.230 ±30% | 6 MHz | 490-5434-1-ND | .55 | .46 | .37 | 490-5434-2-ND | 250 | 39.45 | LQH6PPN470M43L |
| 68μH | ±20% | 100kHz | 1000 | — | 0.289 ±30% | 5 MHz | 490-5435-1-ND | .55 | .46 | .37 | 490-5435-2-ND | 250 | 39.45 | LQH6PPN680M43L |
| 100μH | ±20% | 100kHz | 800 | — | 0.436 ±30% | 3 MHz | 490-5436-1-ND | .55 | .46 | .37 | 490-5436-2-ND | 250 | 39.45 | LQH6PPN101M43L |
| LQH88P Series — Case 3131 | | | | | | | | | | | | | | |
| 1.0μH | ±30% | 100kHz | 8000 | — | 0.006 ±30% | 100 MHz | 490-5485-1-ND | .70 | .59 | .47 | 490-5485-2-ND | 250 | 51.42 | LQH88PN1R0N38L |
| 1.5μH | ±30% | 100kHz | 7100 | — | 0.008 ±30% | 60 MHz | 490-5486-1-ND | .70 | .59 | .47 | 490-5486-2-ND | 250 | 51.42 | LQH88PN1R5N38L |
| 2.2μH | ±30% | 100kHz | 6400 | — | 0.009 ±30% | 50 MHz | 490-5487-1-ND | .70 | .59 | .47 | 490-5487-2-ND | 250 | 51.42 | LQH88PN2R2N38L |
| 3.3μH | ±30% | 100kHz | 5000 | — | 0.013 ±30% | 35 MHz | 490-5488-1-ND | .70 | .59 | .47 | 490-5488-2-ND | 250 | 51.42 | LQH88PN3R3N38L |
| 4.7μH | ±30% | 100kHz | 4200 | — | 0.017 ±30% | 30 MHz | 490-5489-1-ND | .70 | .59 | .47 | 490-5489-2-ND | 250 | 51.42 | LQH88PN4R7N38L |
| 6.8μH | ±30% | 100kHz | 3800 | — | 0.022 ±30% | 20 MHz | 490-5490-1-ND | .70 | .59 | .47 | 490-5490-2-ND | 250 | 51.42 | LQH88PN6R8N38L |
| 10μH | ±20% | 100kHz | 3150 | — | 0.029 ±30% | 18 MHz | 490-5491-1-ND | .70 | .59 | .47 | 490-5491-2-ND | 250 | 51.42 | LQH88PN100M38L |
| 15μH | ±20% | 100kHz | 2450 | — | 0.041 ±30% | 13 MHz | 490-5492-1-ND | .70 | .59 | .47 | 490-5492-2-ND | 250 | 51.42 | LQH88PN150M38L |
| 22μH | ±20% | 100kHz | 2250 | — | 0.066 ±30% | 10 MHz | 490-5493-1-ND | .70 | .59 | .47 | 490-5493-2-ND | 250 | 51.42 | LQH88PN220M38L |
| 33μH | ±20% | 100kHz | 1750 | — | 0.095 ±30% | 9 MHz | 490-5494-1-ND | .70 | .59 | .47 | 490-5494-2-ND | 250 | 51.42 | LQH88PN330M38L |
| 47μH | ±20% | 100kHz | 1450 | — | 0.157 ±30% | 7 MHz | 490-5495-1-ND | .70 | .59 | .47 | 490-5495-2-ND | 250 | 51.42 | LQH88PN470M38L |
| 68μH | ±20% | 100kHz | 1100 | — | 0.190 ±30% | 7 MHz | 490-5496-1-ND | .70 | .59 | .47 | 490-5496-2-ND | 250 | 51.42 | LQH88PN680M38L |
| 100μH | ±20% | 100kHz | 1000 | — | 0.265 ±30% | 4 MHz | 490-5497-1-ND | .70 | .59 | . | | | | |