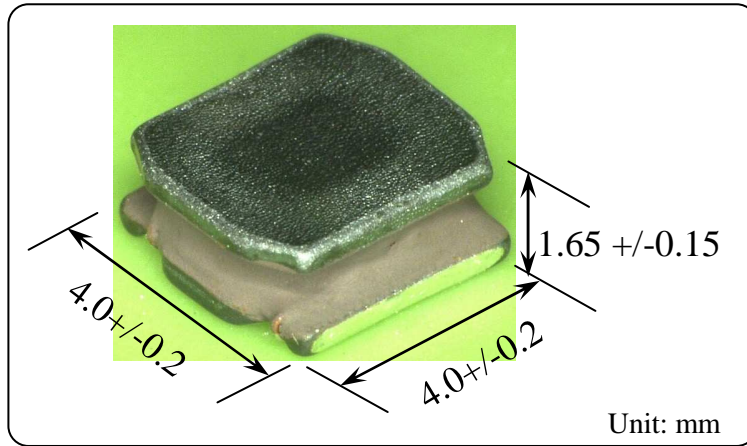


1616 size (4.0x4.0mm)
Height 1.8mm max.

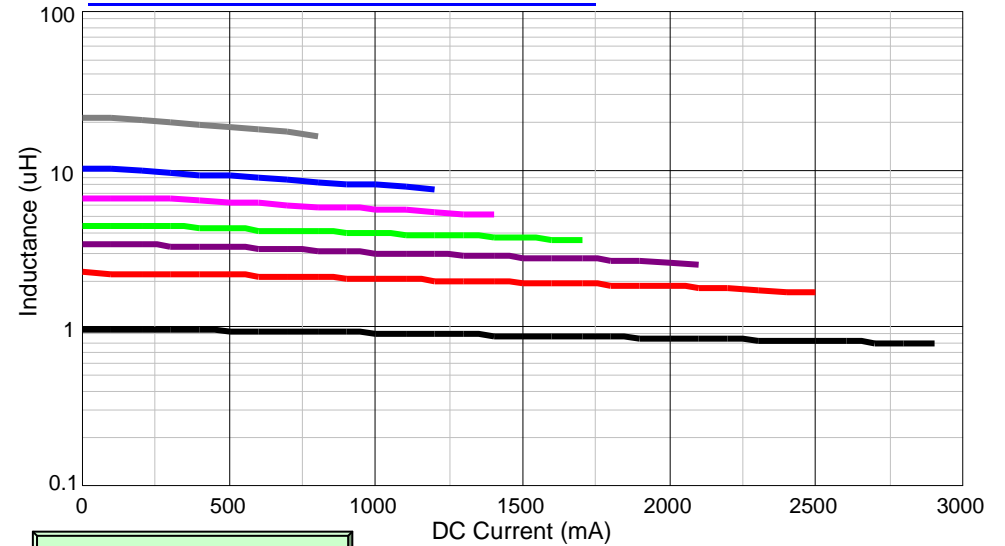
LQH44P_P0 series



Appearance and Dimensions



Electrical characteristics



Specifications

Other characteristics

| Part number | Inductance (uH) | Test freq. | DCR (ohms) | Idc1 (mA) | Idc2 (mA) | SRF (MHz min) |
|---------------|-----------------|------------|---------------|-----------|-----------|---------------|
| LQH44PN1R0NP0 | 1.0 +/--30% | 1MHz | 0.030 +/--20% | 2950 | 2450 | 90 |
| LQH44PN2R2MP0 | 2.2 +/--20% | | 0.049 +/--20% | 2500 | 1800 | 70 |
| LQH44PN3R3MP0 | 3.3 +/--20% | | 0.065 +/--20% | 2100 | 1770 | 50 |
| LQH44PN4R7MP0 | 4.7 +/--20% | | 0.080 +/--20% | 1700 | 1700 | 40 |
| LQH44PN6R8MP0 | 6.8 +/--20% | | 0.12 +/--20% | 1400 | 1340 | 35 |
| LQH44PN100MP0 | 10 +/--20% | | 0.16 +/--20% | 1150 | 1170 | 25 |
| LQH44PN220MP0 | 22 +/--20% | | 0.37 +/--20% | 800 | 790 | 17 |

Operating temp. range: -40 to +85C

(1) Idc1: Inductance change within +/--30% from nominal value

(2) Idc2: Temperature rise below 40deg C

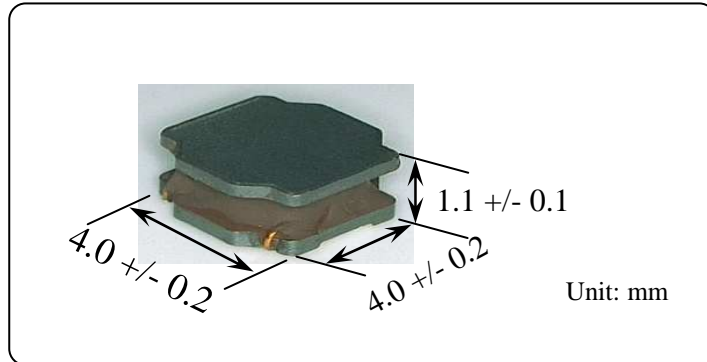


1616 size (4.0x4.0mm)
Height 1.2mm max.

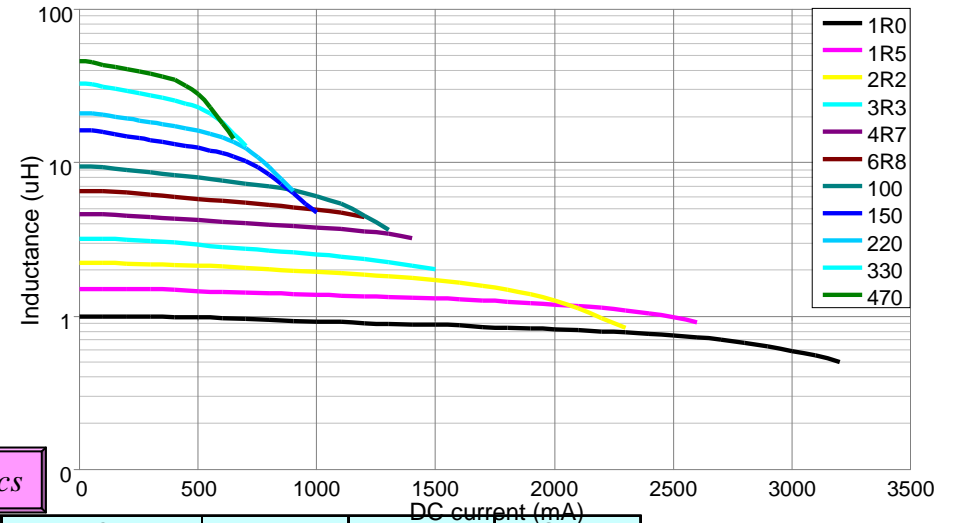
LQH44P_J0 series



Appearance and Dimensions



Electrical characteristics



Specifications

Other characteristics

| Part number | Inductance (uH) | Test freq. | DCR (ohms) | Idc1 (mA) | Idc2 (mA) | SRF (MHz min) |
|---------------|-----------------|------------|--------------|-----------|-----------|---------------|
| LQH44PN1R0NJ0 | 1.0 +/-30% | 1MHz | 0.048 +/-20% | 2000 | 1530 | 130 |
| LQH44PN1R5MJ0 | 1.5 +/-20% | | 0.061 +/-20% | 1600 | 1380 | 90 |
| LQH44PN2R2MJ0 | 2.2 +/-20% | | 0.074 +/-20% | 1320 | 1230 | 68 |
| LQH44PN3R3MJ0 | 3.3 +/-20% | | 0.088 +/-20% | 900 | 1000 | 55 |
| LQH44PN4R7MJ0 | 4.7 +/-20% | | 0.117 +/-20% | 840 | 980 | 50 |
| LQH44PN6R8MJ0 | 6.8 +/-20% | | 0.143 +/-20% | 720 | 860 | 38 |
| LQH44PN100MJ0 | 10 +/-20% | | 0.207 +/-20% | 560 | 790 | 30 |
| LQH44PN150MJ0 | 15 +/-20% | | 0.385 +/-20% | 430 | 610 | 25 |
| LQH44PN220MJ0 | 22 +/-20% | | 0.480 +/-20% | 400 | 550 | 18 |
| LQH44PN330MJ0 | 33 +/-20% | | 0.740 +/-20% | 360 | 430 | 15 |
| LQH44PN470MJ0 | 47 +/-20% | | 1.014 +/-20% | 300 | 380 | 13 |

Operating temp. range: -40 to +85C

(1) Idc1: Inductance change within +/-30% from nominal value

(2) Idc2: Temperature rise below 40deg C

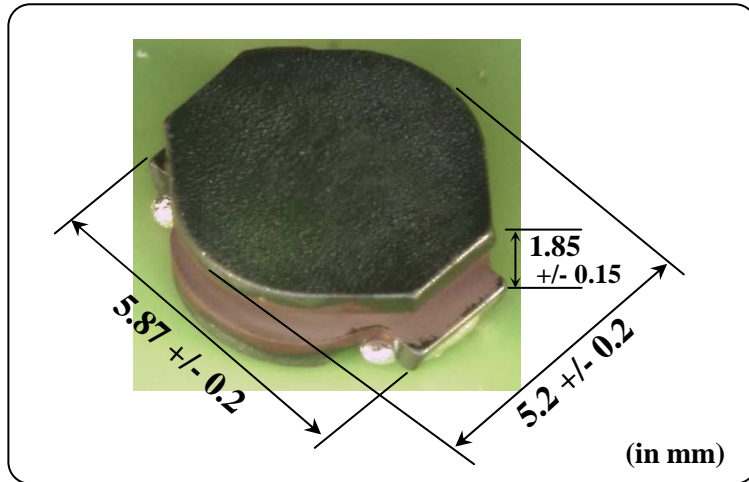


2220 size (5.8x5.2mm)
Height 2.0mm max.

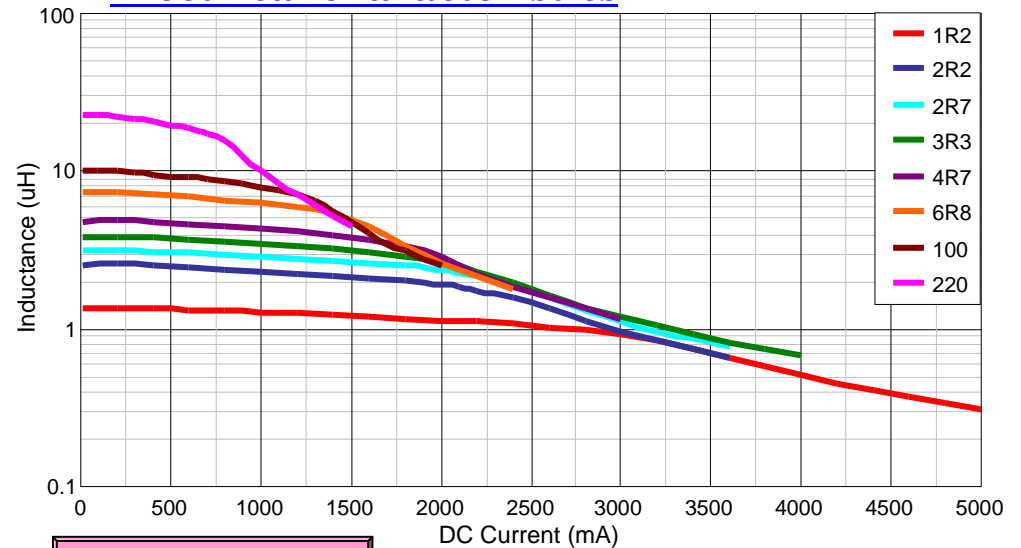
LQH55P_R0 series



Appearance and Dimensions



Electrical characteristics



Specifications

Other characteristics

| Part number | Inductance (uH) | Test freq. | DCR (ohms) | Idc1 (mA) | Idc2 (mA) | SRF (MHz min) |
|---------------|-----------------|------------|--------------|-----------|-----------|---------------|
| LQH55PN1R2NR0 | 1.2 +/-30% | 1MHz | 0.021 +/-20% | 2600 | 2900 | 80 |
| LQH55PN2R2NR0 | 2.2 +/-30% | | 0.031 +/-20% | 2100 | 2500 | 60 |
| LQH55PN2R7NR0 | 2.7 +/-30% | | 0.040 +/-20% | 2070 | 2150 | 50 |
| LQH55PN3R3NR0 | 3.3 +/-30% | | 0.044 +/-20% | 2000 | 2000 | 35 |
| LQH55PN4R7NR0 | 4.7 +/-30% | | 0.060 +/-20% | 1400 | 1750 | 30 |
| LQH55PN6R8NR0 | 6.8 +/-30% | | 0.087 +/-20% | 1200 | 1450 | 25 |
| LQH55PN100MR0 | 10 +/-20% | | 0.11 +/-20% | 1000 | 1250 | 20 |
| LQH55PN220MR0 | 22 +/-20% | | 0.26 +/-20% | 670 | 850 | 10 |

Operating temp. range: -40 to +85C

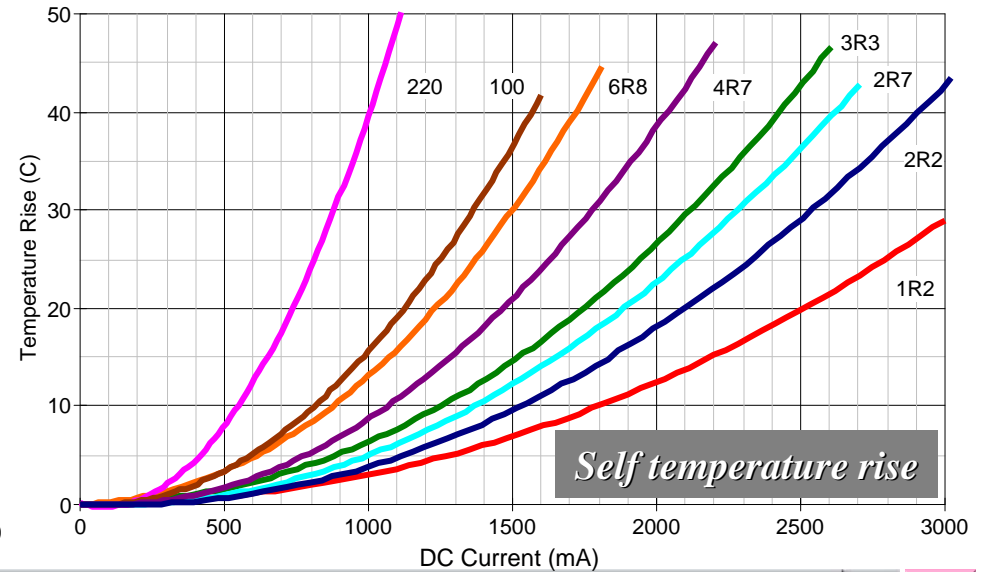
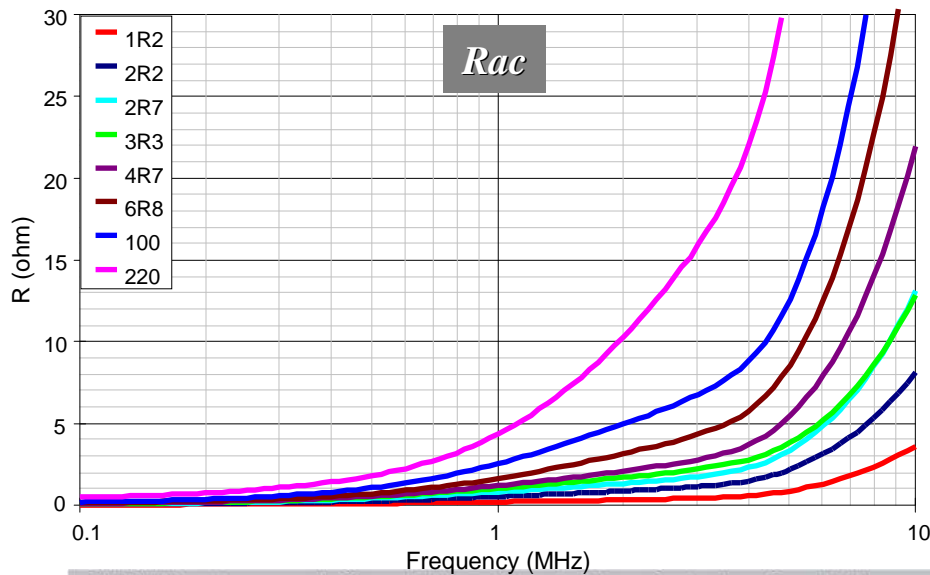
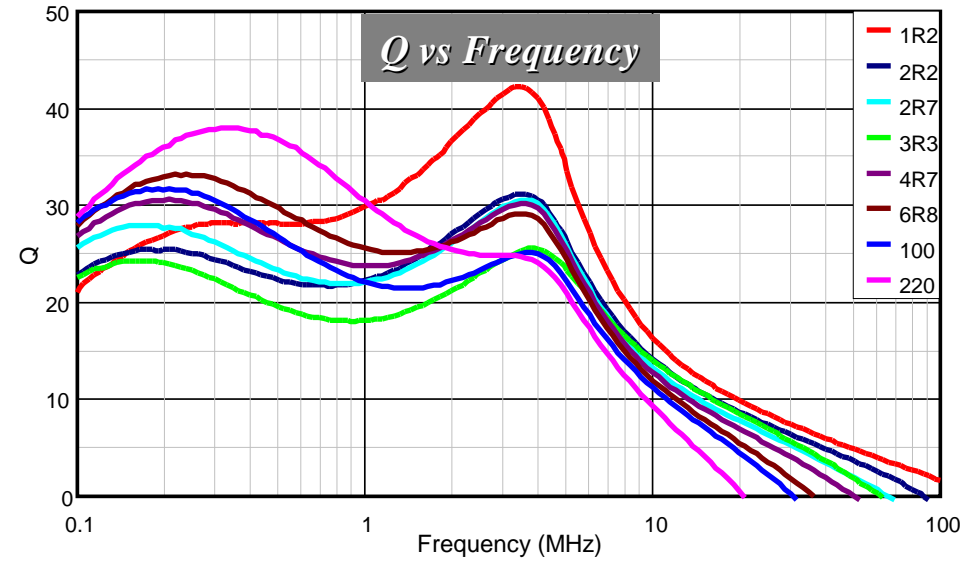
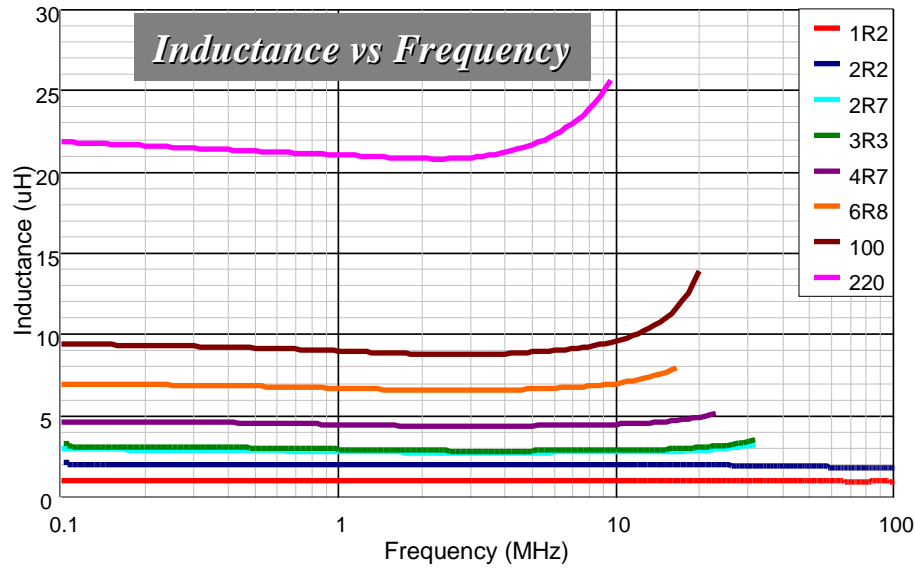
(1) Idc1: Inductance change within +/-30% from nominal value

(2) Idc2: Temperature rise below 40deg C



2220 size (5.8x5.2mm)
Height 2.0mm max.

LQH55P_R0 series



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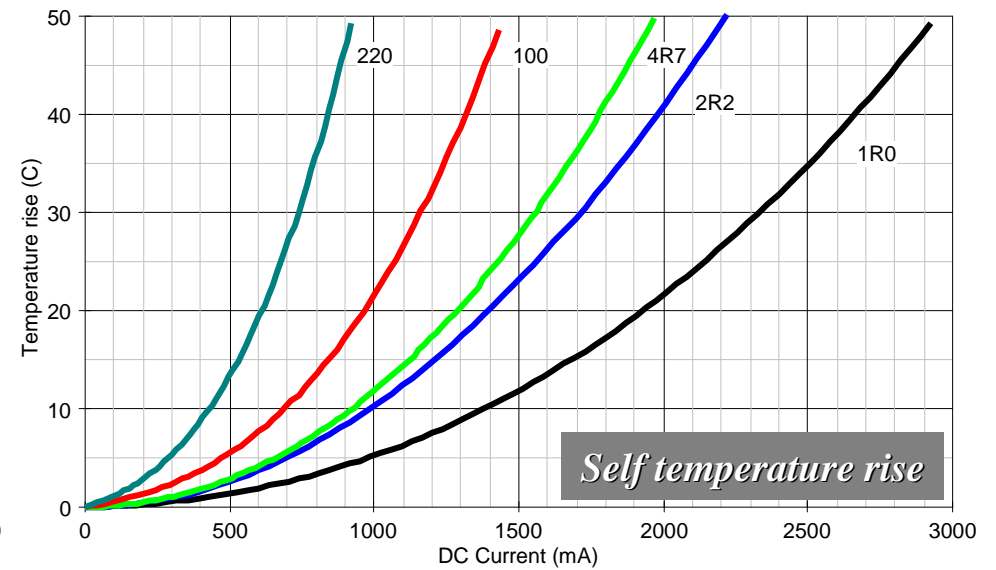
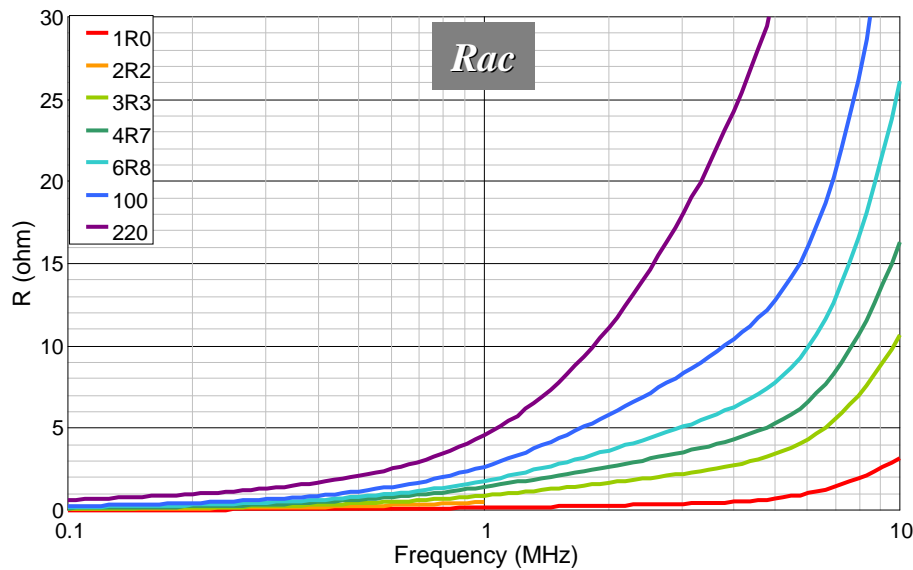
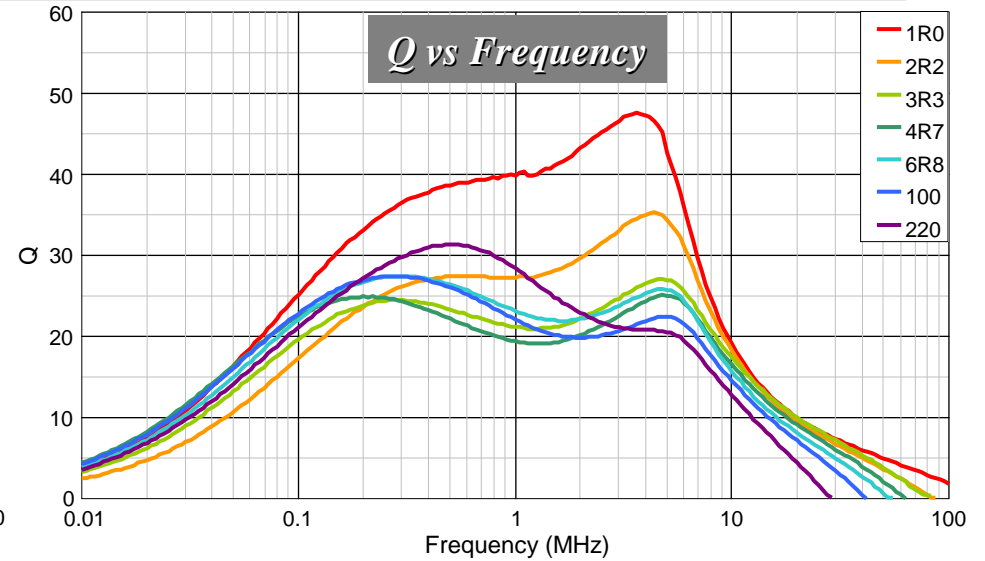
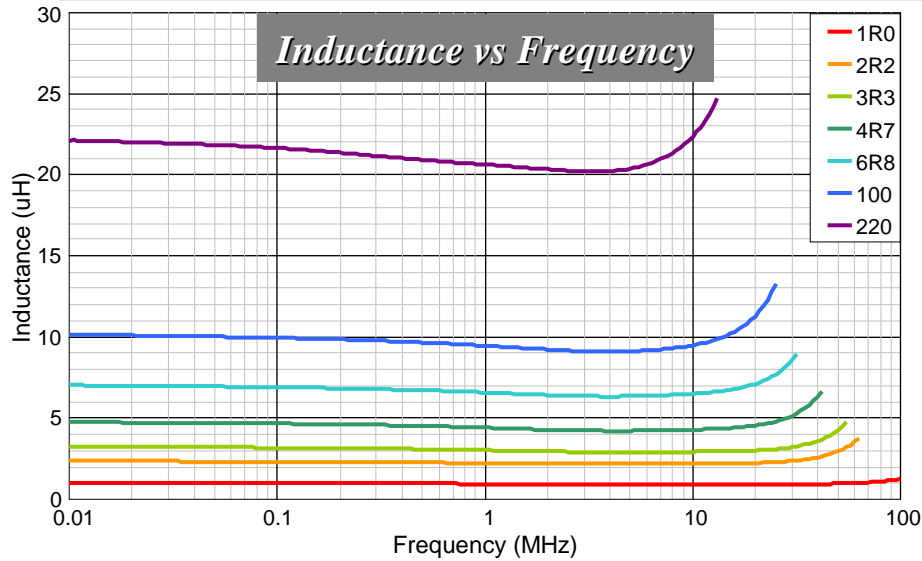
(Power inductor (G Apps) SE0 -4)

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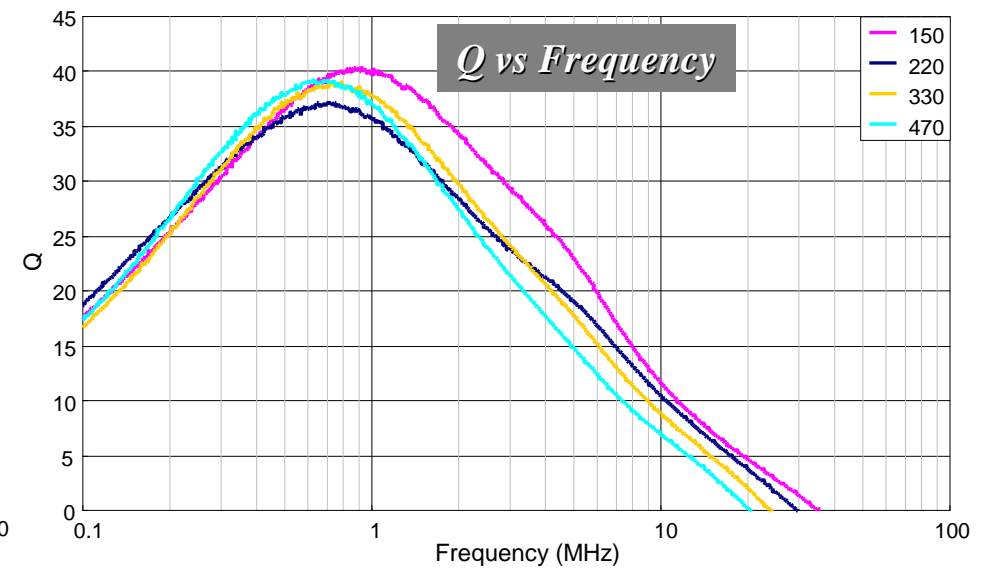
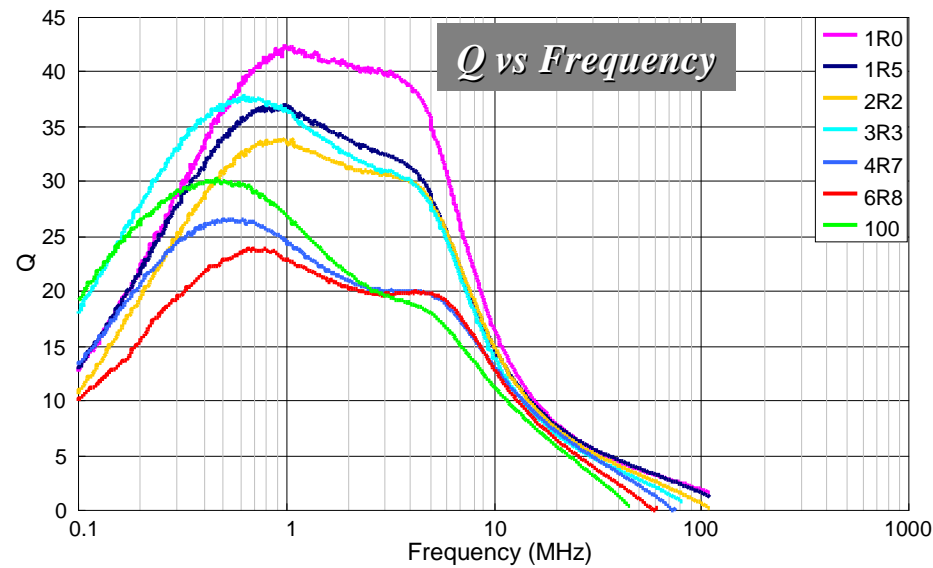
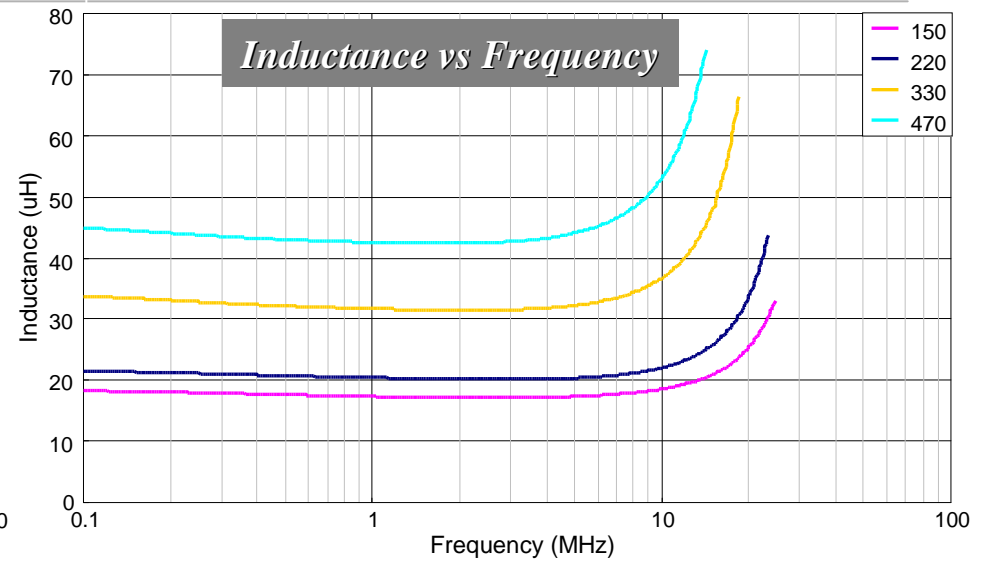
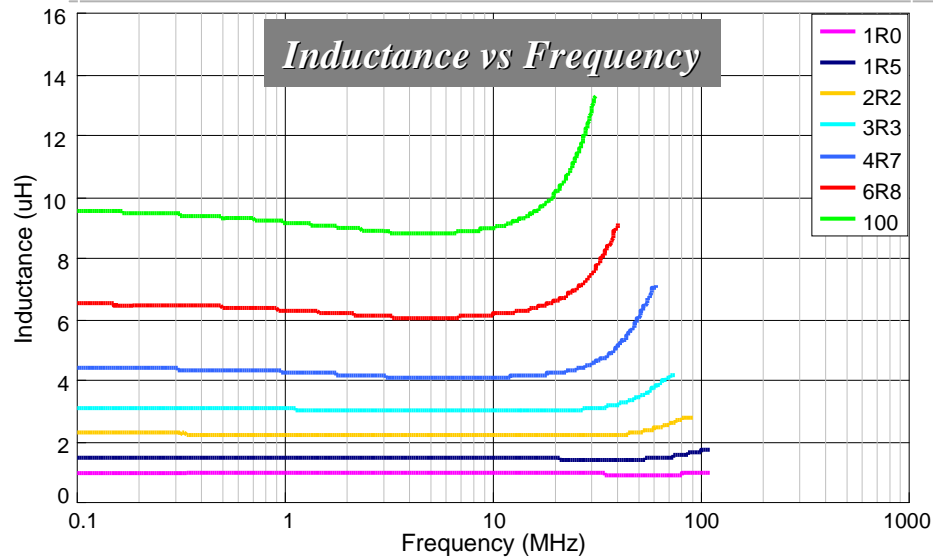
1616 size (4.0x4.0mm)
Height 1.8mm max.

LQH44P_P0 series



1616 size (4.0x4.0mm)
Height 1.2mm max.

LQH44P_J0 series



1616 size (4.0x4.0mm)
Height 1.2mm max.

LQH44P_J0 series

