

## Multilayer Chip Ceramic Inductor 叠层片式陶瓷电感

### FEATURES 特点

- Monolithic construction yields high reliability  
独石结构，高可靠性
- High self-resonant frequency 高自谐振频率
- Excellent solderability and heat resistance for either flow or reflow soldering 良好的可焊性和耐焊性



### APPLICATIONS 应用

- High frequency circuits of telecommunication. 通讯产品的射频模块
- Mobile phones such as GSM, CDMA, PDC, etc. GSM、CDMA、PDC手机
- "Bluetooth" 蓝牙模块
- Other High frequency circuits in general 其它高频线路应用中

### Product Identification 产品标识

MGCI    1608    H    10N    J    I    -    LF  
①            ②            ③            ④            ⑤            ⑥                       ⑦

① Series name 系列名称

② Dimension 产品尺寸 L×W: 【1608: 1.6mm×0.8mm】

③ Material code 材料代码

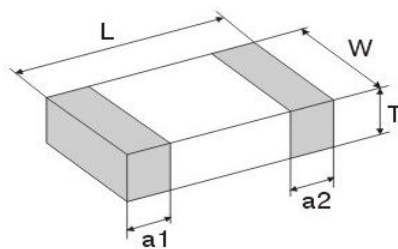
④ Inductance 电感量: 【3N3=3.3 nH    10N=10 nH    R10=100 nH】

⑤ Tolerance of Inductance 电感量公差: 【S:±0.3nH    D:±0.5nH    J: ±5%    K: ±10%】

⑥ Packing Style: 【 T: Taping 编带盘装    B: Bulk 散装】

⑦ Lead free products 无铅产品

### Shapes And Dimensions 外形及尺寸示意图



| Type<br>型号  | Dimensions (mm) [inch]  |                         |                         |                         |
|-------------|-------------------------|-------------------------|-------------------------|-------------------------|
|             | L长                      | W宽                      | T高                      | a1, a2                  |
| 0603 [0201] | 0.60±0.05 [0.024±0.002] | 0.30±0.05 [0.012±0.002] | 0.30±0.05 [0.012±0.002] | 0.10±0.20 [0.004~0.008] |
| 1005 [0402] | 1.00±0.15 [0.04±0.006]  | 0.50±0.15 [0.02±0.006]  | 0.50±0.15 [0.02±0.006]  | 0.25±0.10 [0.01±0.004]  |
| 1608 [0603] | 1.60±0.15 [0.063±0.006] | 0.80±0.15 [0.031±0.006] | 0.80±0.15 [0.031±0.006] | 0.30±0.20 [0.012±0.008] |
| 2012 [0805] | 2.00±0.20 [0.079±0.008] | 1.25±0.20 [0.049±0.008] | 0.85±0.20 [0.033±0.008] | 0.50±0.30 [0.02±0.012]  |

## Multilayer Chip Ceramic Inductor 叠层片式陶瓷电感

### Electrical Characteristics 电气性能

#### MGCI 0603H (0201) Series

| Part No.        | L(nH) | L Test Freq.<br>(MHz) | Q Min   |         |          | SRF(MHz)<br>Min. | DCR(Ω)<br>Max. | I <sub>r</sub> (mA)<br>(max) |
|-----------------|-------|-----------------------|---------|---------|----------|------------------|----------------|------------------------------|
|                 |       |                       | 100 MHz | 800 MHz | 1800 MHz |                  |                |                              |
| MGCI0603H1N0 □  | 1.0   | 100                   | 4       | 12      | 19       | 12000            | 0.20           | 300                          |
| MGCI0603H1N2 □  | 1.2   | 100                   | 4       | 12      | 18       | 11000            | 0.22           | 300                          |
| MGCI0603H1N5 □  | 1.5   | 100                   | 4       | 12      | 18       | 11000            | 0.24           | 300                          |
| MGCI0603H1N8 □  | 1.8   | 100                   | 4       | 11      | 17       | 10000            | 0.27           | 300                          |
| MGCI0603H2N2 □  | 2.2   | 100                   | 4       | 12      | 19       | 10000            | 0.30           | 300                          |
| MGCI0603H2N4 □  | 2.4   | 100                   | 4       | 12      | 19       | 10000            | 0.30           | 300                          |
| MGCI0603H2N7 □  | 2.7   | 100                   | 4       | 13      | 19       | 10000            | 0.35           | 300                          |
| MGCI0603H2N9 □  | 2.9   | 100                   | 4       | 13      | 19       | 10000            | 0.35           | 300                          |
| MGCI0603H3N3 □  | 3.3   | 100                   | 4       | 13      | 19       | 10000            | 0.40           | 200                          |
| MGCI0603H3N9 □  | 3.9   | 100                   | 4       | 13      | 19       | 9000             | 0.45           | 200                          |
| MGC0603H4N7 □   | 4.7   | 100                   | 5       | 13      | 19       | 8500             | 0.50           | 200                          |
| MGCI0603H5N6 □  | 5.6   | 100                   | 5       | 12      | 18       | 8500             | 0.60           | 200                          |
| MGCI0603H6N2 □  | 6.2   | 100                   | 5       | 13      | 19       | 6000             | 0.65           | 200                          |
| MGCI0603H6N8 □  | 6.8   | 100                   | 5       | 13      | 19       | 6000             | 0.65           | 200                          |
| MGCI0603H7N5 □  | 7.5   | 100                   | 5       | 13      | 19       | 6000             | 0.70           | 200                          |
| MGCI0603H8N2 □  | 8.2   | 100                   | 5       | 13      | 19       | 6000             | 0.70           | 200                          |
| MGCI0603H9N1 □  | 9.1   | 100                   | 5       | 13      | 18       | 5500             | 0.80           | 200                          |
| MGCI0603H10N □  | 10    | 100                   | 5       | 13      | 18       | 5500             | 0.80           | 200                          |
| MGCI0603H12N □  | 12    | 100                   | 5       | 12      | 18       | 5000             | 1.00           | 150                          |
| MGCI0603H15NJ □ | 15    | 100                   | 5       | 12      | 17       | 4500             | 1.10           | 150                          |
| MGCI0603H18NJ □ | 18    | 100                   | 5       | 12      | 16       | 4000             | 1.30           | 100                          |
| MGCI0603H22NJ □ | 22    | 100                   | 5       | 12      | 16       | 3500             | 1.60           | 100                          |
| MGCI0603H27NJ □ | 27    | 100                   | 5       | 12      | 15       | 3000             | 1.70           | 100                          |
| MGCI0603H33NJ □ | 33    | 100                   | 5       | 11      | 14       | 2800             | 1.80           | 100                          |
| MGCI0603H39NJ □ | 39    | 100                   | 5       | 11      | -        | 1800             | 3.35           | 60                           |
| MGCI0603H47NJ □ | 47    | 100                   | 5       | 11      | -        | 1600             | 3.60           | 50                           |
| MGCI0603H56NJ □ | 56    | 100                   | 5       | 11      | -        | 1200             | 3.80           | 50                           |
| MGCI0603H68NJ □ | 68    | 100                   | 5       | 11      | -        | 1100             | 3.90           | 50                           |
| MGCI0603H82NJ □ | 82    | 100                   | 5       | 11      | -        | 1000             | 4.00           | 50                           |

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## Multilayer Chip Ceramic Inductor 叠层片式陶瓷电感

### MGCI 0603T(0201) Series

| MG Part No.   | L (nH) | Q<br>min | L,Q<br>Test<br>Freq.<br>(MHz) | Q<br>500<br>MHz<br>Typ | Q<br>800<br>MHz<br>Typ | Q<br>1800<br>MHz<br>Typ | Q<br>2000<br>MHz<br>Typ | Q<br>2400<br>MHz<br>Typ | SRF(min)<br>MHz | Rdc(MAX)<br>(Ω) | Ir(mA)<br>(max) |
|---------------|--------|----------|-------------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-----------------|-----------------|-----------------|
| MGCI0603T0N6□ | 0.6    | 14       | 500                           | >24                    | >32                    | >54                     | >57                     | >65                     | 10000           | 0.06            | 600             |
| MGCI0603T1N0□ | 1.0    | 14       | 500                           | 24                     | 32                     | 54                      | 57                      | 65                      | 10000           | 0.08            | 520             |
| MGCI0603T1N2□ | 1.2    | 14       | 500                           | 19                     | 25                     | 43                      | 44                      | 52                      | 10000           | 0.12            | 420             |
| MGCI0603T1N5□ | 1.5    | 14       | 500                           | 19                     | 24                     | 39                      | 41                      | 46                      | 10000           | 0.12            | 420             |
| MGCI0603T1N8□ | 1.8    | 14       | 500                           | 19                     | 24                     | 39                      | 41                      | 46                      | 10000           | 0.15            | 380             |
| MGCI0603T2N2□ | 2.2    | 14       | 500                           | 17                     | 24                     | 38                      | 40                      | 43                      | 10000           | 0.25            | 290             |
| MGCI0603T2N4□ | 2.4    | 14       | 500                           | 17                     | 23                     | 36                      | 38                      | 42                      | 10000           | 0.22            | 310             |
| MGCI0603T2N7□ | 2.7    | 14       | 500                           | 17                     | 22                     | 34                      | 35                      | 39                      | 9200            | 0.22            | 310             |
| MGCI0603T3N3□ | 3.3    | 14       | 500                           | 18                     | 23                     | 34                      | 36                      | 40                      | 8100            | 0.30            | 270             |
| MGCI0603T3N6□ | 3.6    | 14       | 500                           | 16                     | 23                     | 33                      | 35                      | 39                      | 7700            | 0.38            | 240             |
| MGCI0603T3N9□ | 3.9    | 14       | 500                           | 16                     | 22                     | 33                      | 35                      | 38                      | 7400            | 0.42            | 230             |
| MGCI0603T4N3□ | 4.3    | 14       | 500                           | 16                     | 21                     | 32                      | 34                      | 37                      | 6800            | 0.44            | 220             |
| MGCI0603T4N7□ | 4.7    | 14       | 500                           | 16                     | 22                     | 33                      | 35                      | 38                      | 6200            | 0.45            | 220             |
| MGCI0603T5N1□ | 5.1    | 14       | 500                           | 17                     | 22                     | 34                      | 36                      | 38                      | 5900            | 0.46            | 210             |
| MGCI0603T5N6□ | 5.6    | 14       | 500                           | 16                     | 21                     | 33                      | 34                      | 37                      | 5500            | 0.46            | 210             |
| MGCI0603T6N2□ | 6.2    | 14       | 500                           | 18                     | 23                     | 34                      | 35                      | 37                      | 5100            | 0.48            | 210             |
| MGCI0603T6N8□ | 6.8    | 14       | 500                           | 17                     | 22                     | 32                      | 33                      | 35                      | 4900            | 0.50            | 200             |
| MGCI0603T7N5□ | 7.5    | 14       | 500                           | 16                     | 21                     | 31                      | 33                      | 34                      | 4700            | 0.50            | 200             |
| MGCI0603T8N2□ | 8.2    | 14       | 500                           | 16                     | 21                     | 31                      | 32                      | 34                      | 4300            | 0.56            | 190             |
| MGCI0603T9N1□ | 9.1    | 14       | 500                           | 16                     | 20                     | 30                      | 31                      | 32                      | 4100            | 0.72            | 170             |
| MGCI0603T10N□ | 10     | 14       | 500                           | 16                     | 20                     | 28                      | 29                      | 31                      | 3800            | 0.80            | 160             |
| MGCI0603T12N□ | 12     | 14       | 500                           | 16                     | 20                     | 27                      | 28                      | 28                      | 3400            | 0.80            | 160             |
| MGCI0603T15N□ | 15     | 13       | 500                           | 15                     | 19                     | 24                      | 24                      | 23                      | 2600            | 0.85            | 160             |
| MGCI0603T18N□ | 18     | 13       | 500                           | 15                     | 19                     | 23                      | 24                      | 22                      | 2300            | 1.00            | 140             |
| MGCI0603T22N□ | 22     | 13       | 500                           | 15                     | 19                     | 22                      | 23                      | 20                      | 1900            | 1.20            | 130             |
| MGCI0603T27N□ | 27     | 12       | 500                           | 14                     | 17                     | 15                      | 12                      | 5                       | 2000            | 1.50            | 100             |
| MGCI0603T33N□ | 33     | 12       | 300                           | 15                     | 17                     | 12                      | 8                       | -                       | 1700            | 1.70            | 100             |
| MGCI0603T39N□ | 39     | 9        | 300                           | 14                     | 15                     | 3                       | -                       | -                       | 1500            | 2.50            | 80              |
| MGCI0603T47N□ | 47     | 9        | 300                           | 14                     | 14                     | 1                       | -                       | -                       | 1300            | 2.70            | 80              |
| MGCI0603T56N□ | 56     | 9        | 300                           | 13                     | 13                     | -                       | -                       | -                       | 1200            | 3.20            | 60              |

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## Multilayer Chip Ceramic Inductor 叠层片式陶瓷电感

### MGCI 1005 (0402) Series

| Part No.      | L(nH) | L Test Freq.<br>(MHz) | Q Min   |         |          | SRF(MHz)<br>Min. | DCR( $\Omega$ )<br>Max. | I <sub>r</sub> (mA)<br>(max) |
|---------------|-------|-----------------------|---------|---------|----------|------------------|-------------------------|------------------------------|
|               |       |                       | 100 MHz | 900 MHz | 1800 MHz |                  |                         |                              |
| MGCI1005T1N0□ | 1.0   | 100                   | 9       | 44      | 50       | 10000            | 0.08                    | 400                          |
| MGCI1005T1N2□ | 1.2   | 100                   | 9       | 44      | 50       | 10000            | 0.08                    | 400                          |
| MGCI1005T1N5□ | 1.5   | 100                   | 9       | 43      | 48       | 6000             | 0.10                    | 400                          |
| MGCI1005T1N8□ | 1.8   | 100                   | 9       | 35      | 45       | 6000             | 0.12                    | 400                          |
| MGCI1005T2N2□ | 2.2   | 100                   | 9       | 30      | 43       | 6000             | 0.12                    | 400                          |
| MGCI1005T2N4□ | 2.4   | 100                   | 9       | 30      | 43       | 6000             | 0.12                    | 400                          |
| MGCI1005T2N7□ | 2.7   | 100                   | 9       | 30      | 40       | 6000             | 0.13                    | 400                          |
| MGCI1005T3N0□ | 3.0   | 100                   | 9       | 30      | 40       | 6000             | 0.15                    | 400                          |
| MGCI1005T3N3□ | 3.3   | 100                   | 9       | 30      | 40       | 6000             | 0.15                    | 400                          |
| MGCI1005T3N9□ | 3.9   | 100                   | 9       | 30      | 41       | 4500             | 0.21                    | 400                          |
| MGCI1005T4N3□ | 4.3   | 100                   | 9       | 30      | 36       | 4500             | 0.21                    | 300                          |
| MGCI1005T4N7□ | 4.7   | 100                   | 9       | 29      | 38       | 4500             | 0.21                    | 300                          |
| MGCI1005T5N1□ | 5.1   | 100                   | 9       | 28      | 36       | 4000             | 0.23                    | 300                          |
| MGCI1005T5N6□ | 5.6   | 100                   | 9       | 25      | 32       | 4000             | 0.23                    | 300                          |
| MGCI1005T6N2□ | 6.2   | 100                   | 9       | 25      | 32       | 4000             | 0.25                    | 300                          |
| MGCI1005T6N8□ | 6.8   | 100                   | 9       | 25      | 33       | 4000             | 0.25                    | 300                          |
| MGCI1005T7N5□ | 7.5   | 100                   | 9       | 25      | 32       | 3600             | 0.35                    | 300                          |
| MGCI1005T8N2□ | 8.2   | 100                   | 9       | 25      | 32       | 3600             | 0.35                    | 300                          |
| MGCI1005T9N1□ | 9.1   | 100                   | 9       | 25      | 31       | 3200             | 0.42                    | 300                          |
| MGCI1005T10N□ | 10    | 100                   | 9       | 26      | 30       | 3200             | 0.42                    | 300                          |
| MGCI1005T12N□ | 12    | 100                   | 9       | 26      | 29       | 2800             | 0.50                    | 300                          |
| MGCI1005T15N□ | 15    | 100                   | 9       | 25      | 26       | 2500             | 0.60                    | 300                          |
| MGCI1005T18N□ | 18    | 100                   | 9       | 23      | 24       | 2200             | 0.80                    | 300                          |
| MGCI1005T22N□ | 22    | 100                   | 9       | 23      | 22       | 1900             | 0.85                    | 300                          |
| MGCI1005T27N□ | 27    | 100                   | 9       | 23      |          | 1600             | 1.00                    | 300                          |
| MGCI1005T33N□ | 33    | 100                   | 9       | 22      |          | 1300             | 1.00                    | 200                          |
| MGCI1005T39N□ | 39    | 100                   | 9       | 21      |          | 1200             | 1.30                    | 200                          |
| MGCI1005T47N□ | 47    | 100                   | 9       | 20      |          | 1000             | 1.50                    | 200                          |
| MGCI1005T56N□ | 56    | 100                   | 9       | 17      |          | 750              | 1.80                    | 200                          |
| MGCI1005T68N□ | 68    | 100                   | 9       | 15      |          | 750              | 1.95                    | 180                          |
| MGCI1005T82N□ | 82    | 100                   | 9       |         |          | 600              | 2.10                    | 150                          |
| MGCI1005TR10□ | 100   | 100                   | 9       |         |          | 600              | 2.50                    | 150                          |
| MGCI1005TR12□ | 120   | 100                   | 9       |         |          | 600              | 2.80                    | 150                          |
| MGCI1005TR15□ | 150   | 100                   | 8       |         |          | 550              | 2.35                    | 150                          |
| MGCI1005TR18□ | 180   | 100                   | 8       |         |          | 500              | 2.55                    | 100                          |
| MGCI1005TR22□ | 220   | 100                   | 8       |         |          | 450              | 2.65                    | 100                          |
| MGCI1005TR27□ | 270   | 100                   | 8       |         |          | 400              | 2.85                    | 50                           |
| MGCI1005TR33□ | 330   | 50                    | 8       |         |          | 350              | 3.00                    | 50                           |

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## Multilayer Chip Ceramic Inductor 叠层片式陶瓷电感

### MGCI 1608 (0603) Series

| Part No.      | L (nH) | Q /min | L,Q Test Freq.<br>(MHz) | SRF(MHz)<br>/min | RDC( $\Omega$ )<br>/max | Ir(mA)<br>/max |
|---------------|--------|--------|-------------------------|------------------|-------------------------|----------------|
| MGCI1608H1N0□ | 1.0    | 8      | 100                     | >10000           | 0.05                    | 500            |
| MGCI1608H1N2□ | 1.2    | 8      | 100                     | >10000           | 0.05                    | 500            |
| MGCI1608H1N5□ | 1.5    | 8      | 100                     | >10000           | 0.10                    | 500            |
| MGCI1608H1N8□ | 1.8    | 8      | 100                     | >10000           | 0.10                    | 500            |
| MGCI1608H2N2□ | 2.2    | 8      | 100                     | 10000            | 0.10                    | 500            |
| MGCI1608H2N7□ | 2.7    | 10     | 100                     | 9000             | 0.10                    | 500            |
| MGCI1608H3N3□ | 3.3    | 10     | 100                     | 8000             | 0.12                    | 500            |
| MGCI1608H3N9□ | 3.9    | 10     | 100                     | 7000             | 0.14                    | 500            |
| MGCI1608H4N7□ | 4.7    | 10     | 100                     | 5500             | 0.16                    | 500            |
| MGCI1608H5N6□ | 5.6    | 10     | 100                     | 4500             | 0.18                    | 500            |
| MGCI1608H6N8□ | 6.8    | 10     | 100                     | 4000             | 0.22                    | 500            |
| MGCI1608H8N2□ | 8.2    | 10     | 100                     | 3600             | 0.24                    | 500            |
| MGCI1608H10N□ | 10.0   | 12     | 100                     | 3400             | 0.26                    | 300            |
| MGCI1608H12N□ | 12.0   | 12     | 100                     | 2800             | 0.30                    | 300            |
| MGCI1608H15N□ | 15.0   | 12     | 100                     | 2500             | 0.32                    | 300            |
| MGCI1608H18N□ | 18.0   | 12     | 100                     | 2100             | 0.35                    | 300            |
| MGCI1608H22N□ | 22.0   | 12     | 100                     | 1700             | 0.40                    | 300            |
| MGCI1608H27N□ | 27.0   | 12     | 100                     | 1500             | 0.45                    | 300            |
| MGCI1608H33N□ | 33.0   | 12     | 100                     | 1300             | 0.55                    | 300            |
| MGCI1608H39N□ | 39.0   | 12     | 100                     | 1100             | 0.60                    | 300            |
| MGCI1608H47N□ | 47.0   | 12     | 100                     | 1000             | 0.70                    | 300            |
| MGCI1608H56N□ | 56.0   | 12     | 100                     | 900              | 0.75                    | 300            |
| MGCI1608H68N□ | 68.0   | 12     | 100                     | 700              | 0.85                    | 300            |
| MGCI1608H82N□ | 82.0   | 12     | 100                     | 600              | 0.95                    | 300            |
| MGCI1608HR10□ | 100.0  | 12     | 100                     | 600              | 1.00                    | 300            |
| MGCI1608HR12□ | 120.0  | 8      | 50                      | 500              | 1.30                    | 300            |
| MGCI1608HR15□ | 150.0  | 8      | 50                      | 500              | 1.50                    | 300            |
| MGCI1608HR18□ | 180.0  | 8      | 50                      | 400              | 1.80                    | 300            |
| MGCI1608HR22□ | 220.0  | 8      | 50                      | 400              | 2.10                    | 300            |
| MGCI1608HR27□ | 270.0  | 8      | 50                      | 350              | 2.40                    | 300            |
| MGCI1608HR33□ | 330    | 8      | 50                      | 350              | 3.0                     | 300            |

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## Multilayer Chip Ceramic Inductor 叠层片式陶瓷电感

### MGCI 2012 (0805) Series

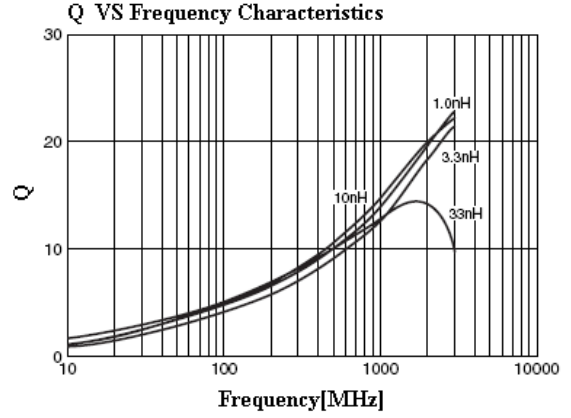
| Part No.      | L (nH) | Q /min | L,Q Test Freq.<br>(MHz) | SRF(MHz)<br>/min | RDC(Ω)<br>/max | Ir(mA)<br>/max |
|---------------|--------|--------|-------------------------|------------------|----------------|----------------|
| MGCI2012H1N5□ | 1.5    | 10     | 100                     | 6000             | 0.10           | 600            |
| MGCI2012H1N8□ | 1.8    | 10     | 100                     | 6000             | 0.10           | 600            |
| MGCI2012H2N2□ | 2.2    | 10     | 100                     | 6000             | 0.10           | 600            |
| MGCI2012H2N7□ | 2.7    | 12     | 100                     | 6000             | 0.10           | 600            |
| MGCI2012H3N3□ | 3.3    | 12     | 100                     | 6000             | 0.13           | 600            |
| MGCI2012H3N9□ | 3.9    | 12     | 100                     | 5000             | 0.15           | 600            |
| MGCI2012H4N7□ | 4.7    | 12     | 100                     | 4000             | 0.20           | 400            |
| MGCI2012H5N6□ | 5.6    | 15     | 100                     | 3500             | 0.23           | 400            |
| MGCI2012H6N8□ | 6.8    | 15     | 100                     | 2800             | 0.25           | 400            |
| MGCI2012H8N2□ | 8.2    | 15     | 100                     | 2400             | 0.28           | 400            |
| MGCI2012H10N□ | 10     | 15     | 100                     | 2100             | 0.30           | 300            |
| MGCI2012H12N□ | 12     | 15     | 100                     | 1900             | 0.35           | 300            |
| MGCI2012H15N□ | 15     | 15     | 100                     | 1800             | 0.40           | 300            |
| MGCI2012H18N□ | 18     | 15     | 100                     | 1500             | 0.45           | 300            |
| MGCI2012H22N□ | 22     | 15     | 100                     | 1400             | 0.50           | 300            |
| MGCI2012H27N□ | 27     | 15     | 100                     | 1300             | 0.55           | 300            |
| MGCI2012H33N□ | 33     | 15     | 100                     | 1200             | 0.60           | 300            |
| MGCI2012H39N□ | 39     | 15     | 100                     | 1000             | 0.65           | 300            |
| MGCI2012H47N□ | 47     | 15     | 100                     | 900              | 0.70           | 300            |
| MGCI2012H56N□ | 56     | 15     | 100                     | 800              | 0.75           | 300            |
| MGCI2012H68N□ | 68     | 15     | 100                     | 700              | 0.80           | 300            |
| MGCI2012H82N□ | 82     | 15     | 100                     | 600              | 0.90           | 300            |
| MGCI2012HR10□ | 100    | 15     | 100                     | 600              | 0.90           | 300            |
| MGCI2012HR12□ | 120    | 13     | 100                     | 500              | 0.95           | 300            |
| MGCI2012HR15□ | 150    | 13     | 50                      | 500              | 1.00           | 300            |
| MGCI2012HR18□ | 180    | 13     | 50                      | 400              | 1.20           | 300            |
| MGCI2012HR22□ | 220    | 12     | 50                      | 350              | 1.40           | 300            |
| MGCI2012HR27□ | 270    | 12     | 50                      | 300              | 1.70           | 300            |
| MGCI2012HR33□ | 330    | 12     | 50                      | 250              | 2.00           | 300            |
| MGCI2012HR39□ | 390    | 10     | 50                      | 250              | 2.50           | 300            |
| MGCI2012HR47□ | 470    | 10     | 50                      | 200              | 2.80           | 300            |

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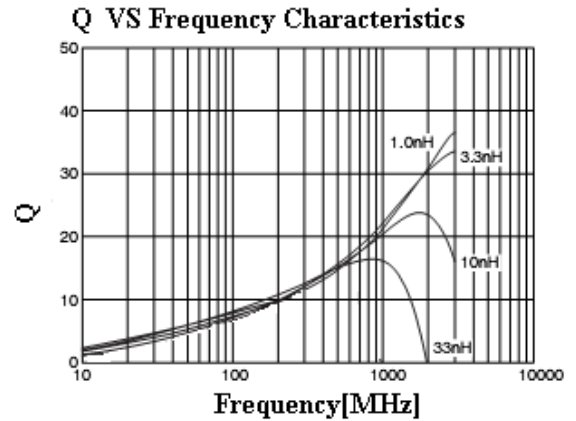
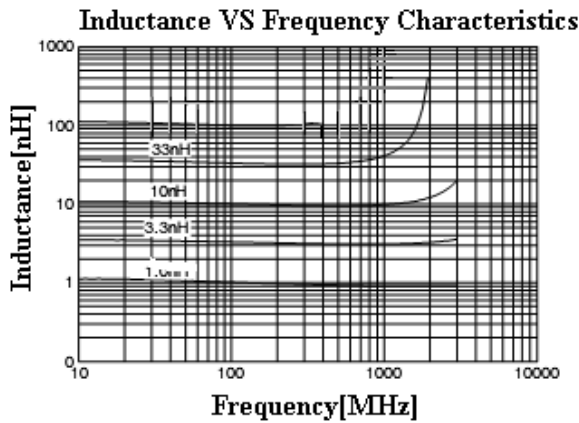
# Multilayer Chip Ceramic Inductor 叠层片式陶瓷电感

## Characteristic curve 特性曲线

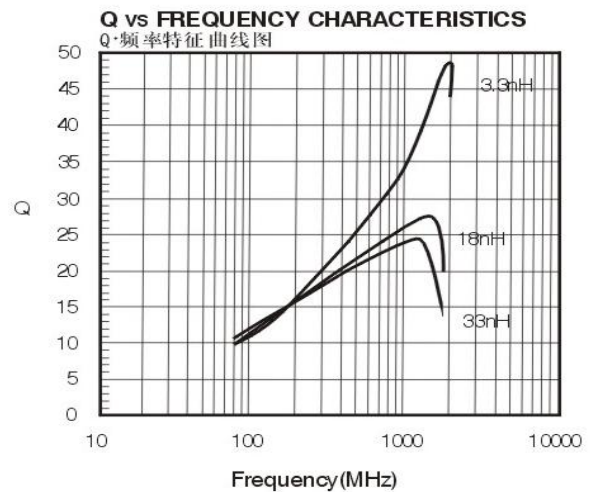
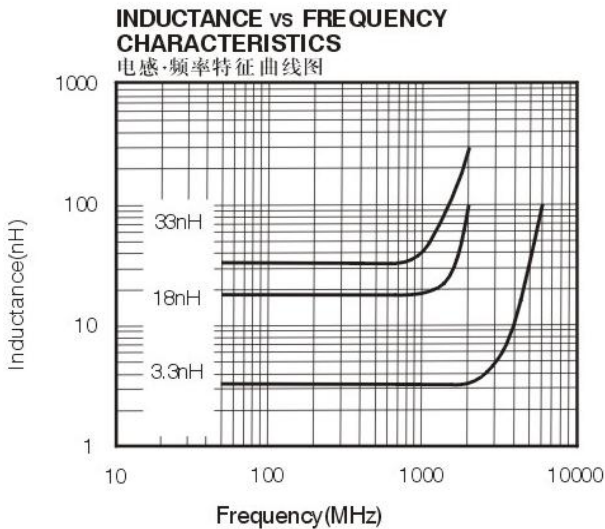
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### MGCI 0603T(0201) Series



### MGCI 1005 (0402) Series



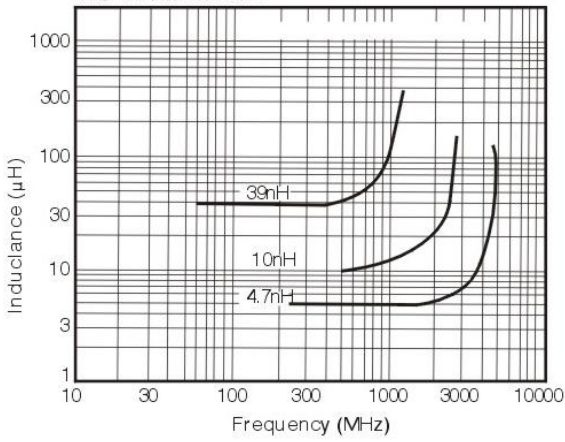
### MGCI 1608 (0603) Series

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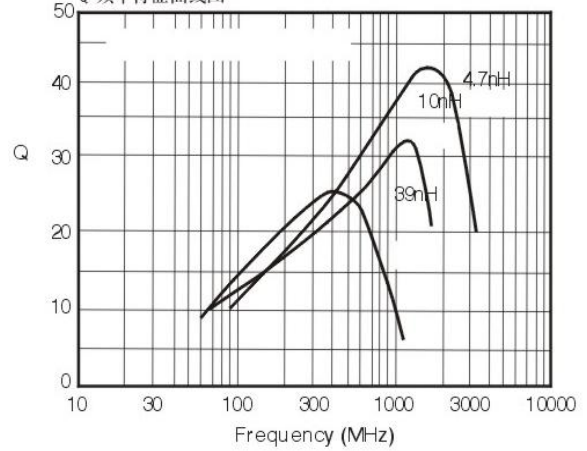
# Multilayer Chip Ceramic Inductor 叠层片式陶瓷电感

## MGCI 1608 (0603) Series

**INDUCTANCE vs FREQUENCY CHARACTERISTICS**  
电感·频率特征曲线图

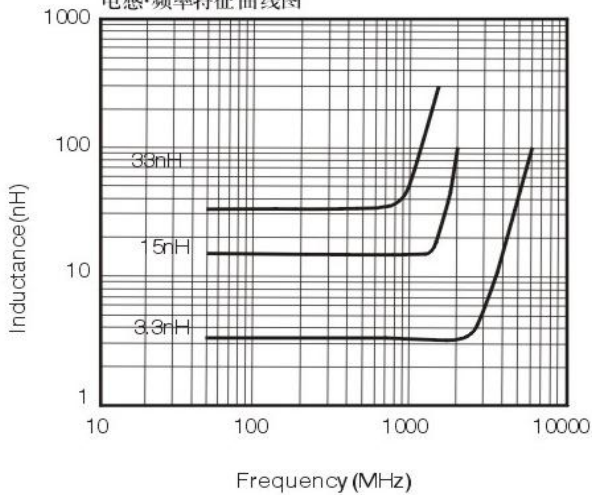


**Q vs FREQUENCY CHARACTERISTICS**  
Q·频率特征曲线图

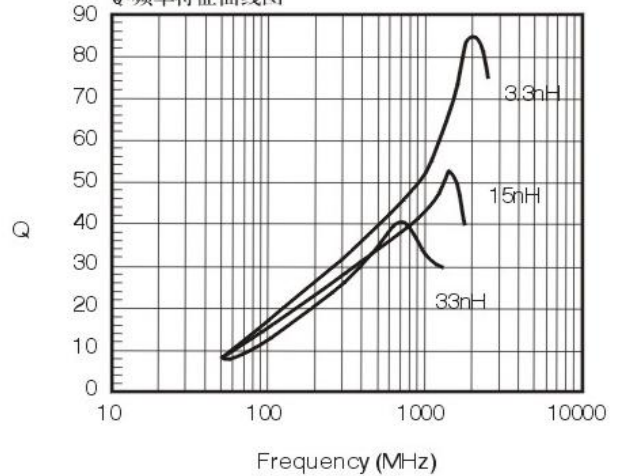


## MGCI 2012 (0805) Series

**INDUCTANCE vs FREQUENCY CHARACTERISTICS**  
电感·频率特征曲线图



**Q vs FREQUENCY CHARACTERISTICS**  
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