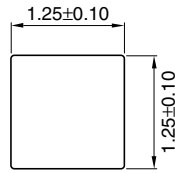
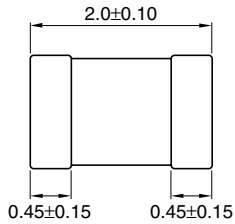
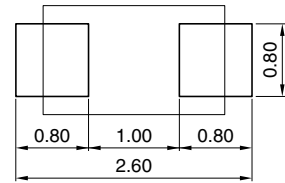
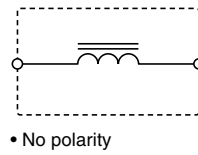


## SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED PC BOARD PATTERN

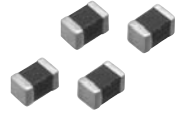


Weight: 15mg

Dimensions in mm



Dimensions in mm



## ELECTRICAL CHARACTERISTICS

| Inductance (μH) | Inductance tolerance (%) | DC resistance (Ω)±30% | Rated current*1 (mA)max. | Rated current*2 (mA)max. | Rated current*3 (mA)max. | Part No.         |
|-----------------|--------------------------|-----------------------|--------------------------|--------------------------|--------------------------|------------------|
| 1               | ±20                      | 0.09                  | 490                      | 850                      | 900                      | GLCR2012T1R0M-HC |
| 1.5             | ±20                      | 0.18                  | 380                      | 700                      | 700                      | GLCR2012T1R5M-HC |
| 2.2             | ±20                      | 0.2                   | 375                      | 550                      | 600                      | GLCR2012T2R2M-HC |
| 3.3             | ±20                      | 0.27                  | 285                      | 470                      | 550                      | GLCR2012T3R3M-HC |
| 4.7             | ±20                      | 0.29                  | 225                      | 420                      | 500                      | GLCR2012T4R7M-HC |
| 6.8             | ±20                      | 0.4                   | 200                      | 350                      | 440                      | GLCR2012T6R8M-HC |
| 10              | ±20                      | 0.5                   | 155                      | 270                      | 380                      | GLCR2012T100M-HC |
| 15              | ±20                      | 0.75                  | 130                      | 230                      | 320                      | GLCR2012T150M-HC |
| 22              | ±20                      | 1                     | 105                      | 180                      | 250                      | GLCR2012T220M-HC |
| 33              | ±20                      | 1.7                   | 85                       | 140                      | 200                      | GLCR2012T330M-HC |
| 47              | ±20                      | 2.4                   | 70                       | 120                      | 170                      | GLCR2012T470M-HC |
| 68              | ±20                      | 3                     | 55                       | 100                      | 150                      | GLCR2012T680M-HC |
| 100             | ±20                      | 4.5                   | 40                       | 85                       | 130                      | GLCR2012T101M-HC |

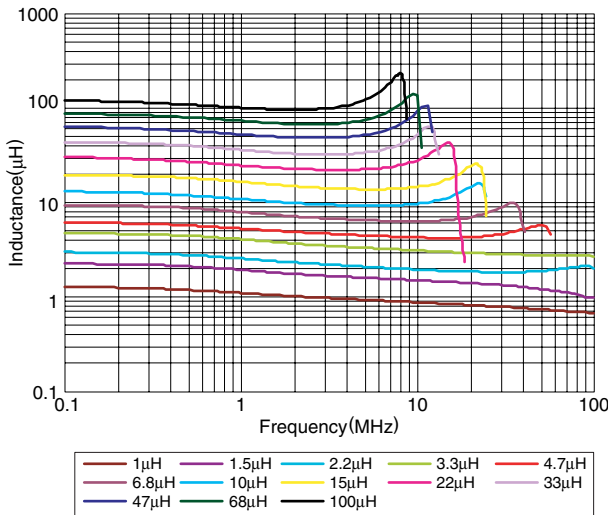
\*1 Rated current based on inductance variation: Current when inductance decreases by 10% of the initial value due to direct current superimposed characteristics

\*2 Rated current based on inductance variation: Current when inductance decreases by 30% of the initial value due to direct current superimposed characteristics

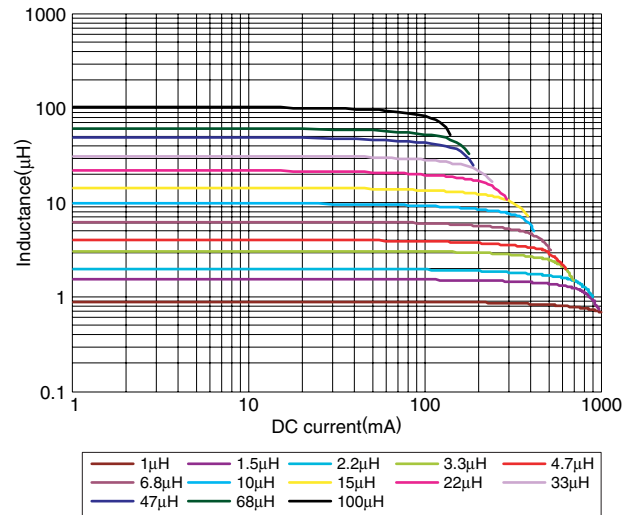
\*3 Rated current based on increasing product temperature: Current when temperature of the product reaches +20°C

## TYPICAL ELECTRICAL CHARACTERISTICS

### INDUCTANCE vs. FREQUENCY CHARACTERISTICS

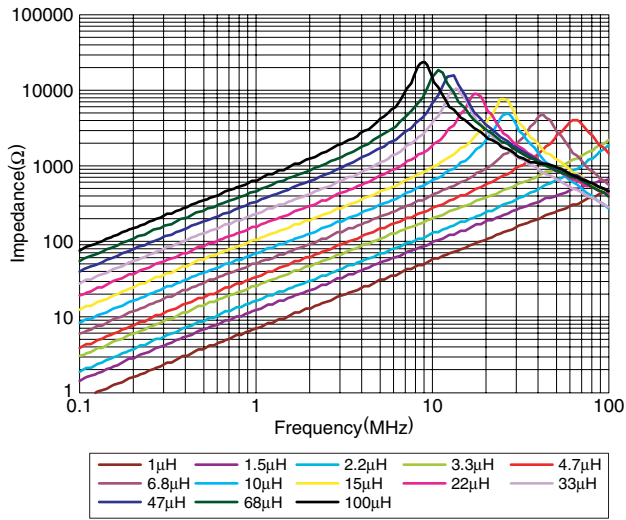


### INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS



## TYPICAL ELECTRICAL CHARACTERISTICS

### IMPEDANCE vs. FREQUENCY CHARACTERISTICS



### DC SUPERPOSITION vs. INDUCTANCE DECREASING RATE

