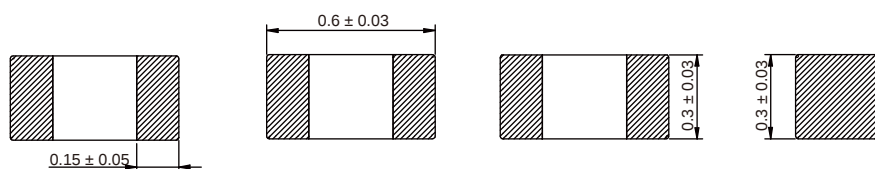


## Multilayer Ceramic SMD Inductor Size 0201

- Multilayer design with ceramic design
  - High SRF up to 15Ghz
  - Small size and small tolerance available
  - Quantity: 15000pcs
- 
- HF application

### Dimensions: [mm]



### Land Pattern: [mm]



### Electrical Properties:

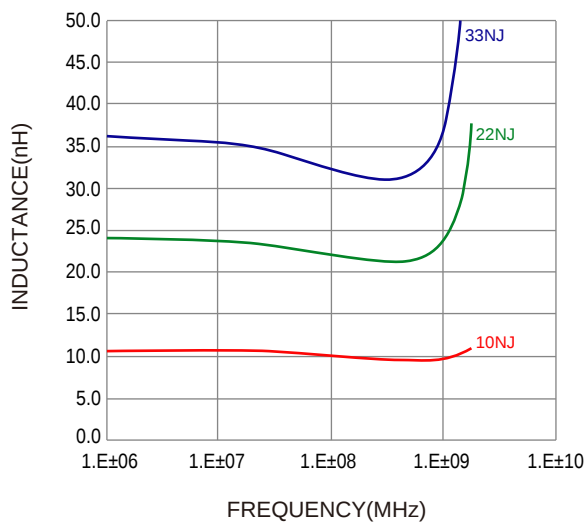
| Part No      | Inductance (nH) | Tolerance | Q Typ. @500 MHz | Q Typ. @800 MHz | Q Typ. @1800 MHz | Temperature Rise Current Max. (mA) | DCR Typ. ( $\Omega$ ) | DCR Max. ( $\Omega$ ) | SRF Min. (MHz) |
|--------------|-----------------|-----------|-----------------|-----------------|------------------|------------------------------------|-----------------------|-----------------------|----------------|
| MCI0201-27NJ | 27              | $\pm 5\%$ | 13              | 18              | 9                | 200                                | 1.16                  | 2.0                   | 1800           |
| MCI0201-33NJ | 33              | $\pm 5\%$ | 13              | 17              | 7                | 200                                | 1.5                   | 2.3                   | 1500           |
| MCI0201-39NJ | 39              | $\pm 5\%$ | 14              | 16              | -                | 200                                | 1.6                   | 2.5                   | 1400           |

Operating Temperature :  $-40 \sim +100^{\circ}\text{C}$

Temperature rise current: the actual value of DC current when the temperature rise is  $\Delta T20^{\circ}\text{C}$

## Typical Electrical Characteristics:

Inductance VS. Frequency Characteristics:



Temperature Rise VS. Frequency Characteristics:

