

WIS Series

Wound Chip Inductor

Size 1812

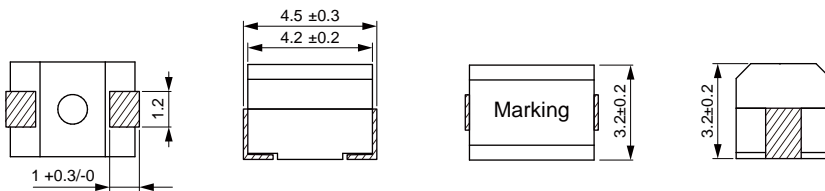
CHARACTERISTICS

- Small size and higher inductance available
- Small tolerance available
- j

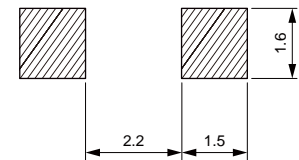
APPLICATION

- Filter
- 8

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

| Part No | Inductance | Tolerance | Q Min. | Test Freq | SRF Typ. | DCR Max. | Temperature Rise Current Max. |
|---------|------------|-----------|--------|-----------|----------|----------|-------------------------------|
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | | | |
| † @ k M | | | | | 28 | | |
| † @ M | | | | | 22 | | |
| † @ M | 12 | | | | | | |
| † @ M | | | | | 18 | | |

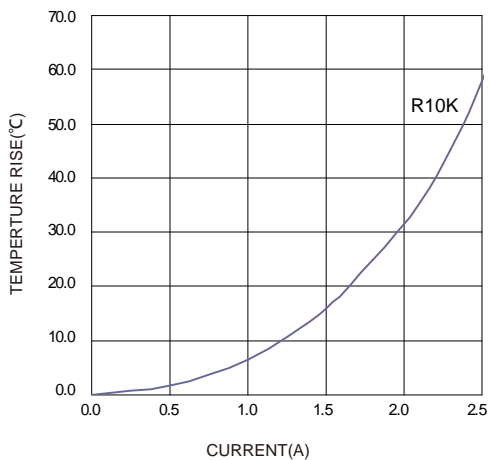


| Part No | Inductance | Tolerance | Q Min. | Test Freq | SRF Min. | DCR Max. | Temperature Rise Current Max. |
|---------|------------|-----------|--------|-----------|----------|----------|-------------------------------|
| † @ M | 18 | | | | 16 | | |
| † @ M | 22 | | | | 14 | | |
| † @ M | 27 | | | | 13 | | |
| † @ M | 33 | | | | 12 | | |
| † @ M | 39 | | | | 11 | | |
| † @ M | 47 | | | | | | |
| † @ M | | | | | | | |
| † @ M | 68 | | | | | | |
| † @ M | 82 | | | | | | |
| † @ M | | | | | 8 | | |
| † @ M | | | | | 7 | | |
| † @ M | | | | | 6 | | |
| † @ M | | | | | | | |
| † @ M | | | | | 0 | | |
| † @ M | | | | | | 12 | 92 |
| † @ M | | | | | | 14 | |
| † @ M | | | | | | 18 | |
| † @ M | | | | | | 26 | 62 |
| † @ M | | | | | 3 | | |
| † @ M | | | | | 3 | | |
| † @ M | | | | | | | |
| † @ M | | | | | | | |

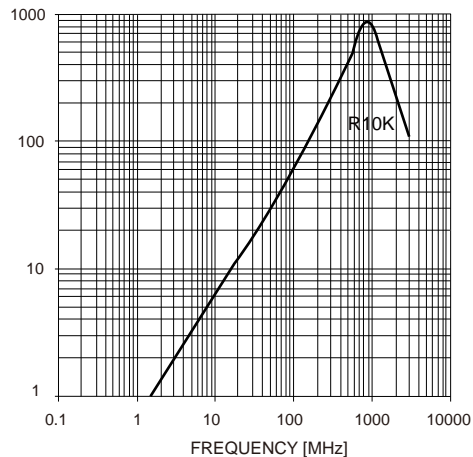
$\Delta T = I^2 R_{10K} \times \theta_{JA}$
 $\theta_{JA} = \frac{\Delta T}{I^2 R_{10K}}$

Typical Electrical Characteristics:

Temperature Rise VS. Current Characteristics:

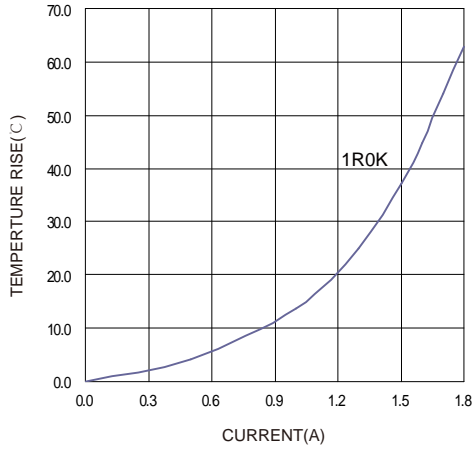


Impedance VS. Frequency Characteristics:

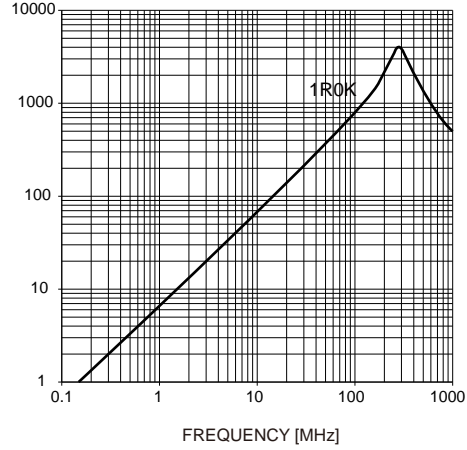




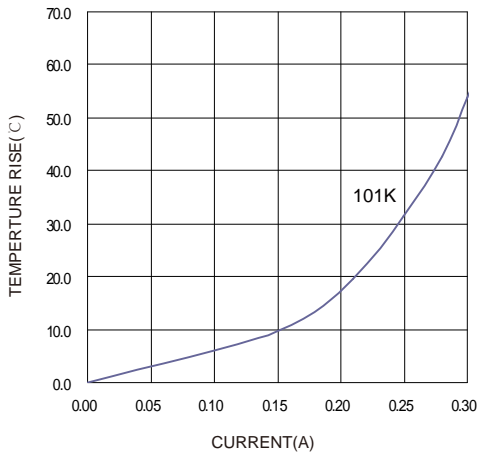
Temperature Rise VS. Current Characteristics:



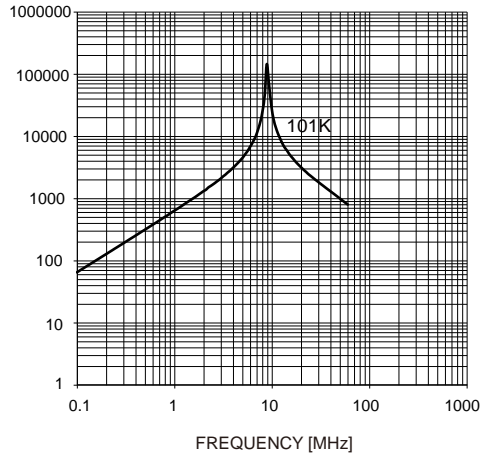
Impedance VS. Frequency Characteristics:



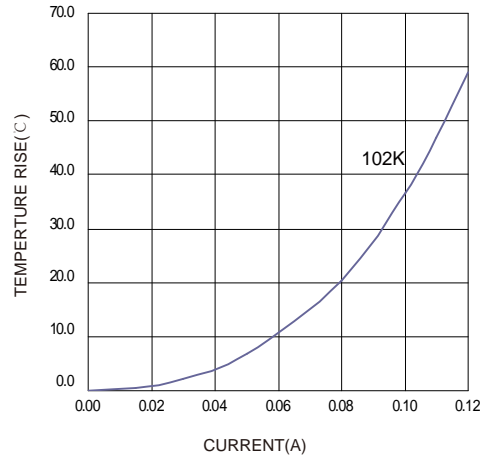
Temperature Rise VS. Current Characteristics:



Impedance VS. Frequency Characteristics:



Temperature Rise VS. Current Characteristics:



Impedance VS. Frequency Characteristics:

