WIS Series
Wound Chip Inductor
Size 1812

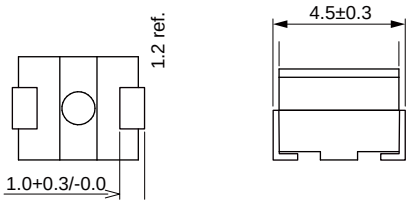
CHARACTERISTICS

- Small size and higer inductance available
- Small tolerance available
-

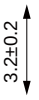
APPLICATION

- Filter
-

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

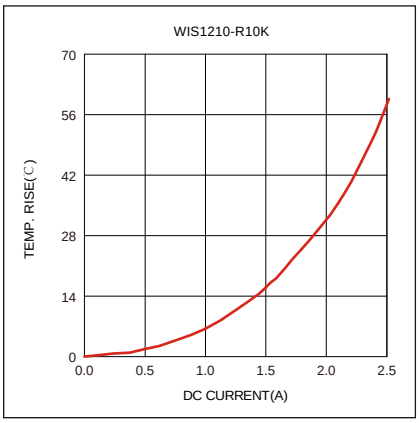
Electrical Properties:

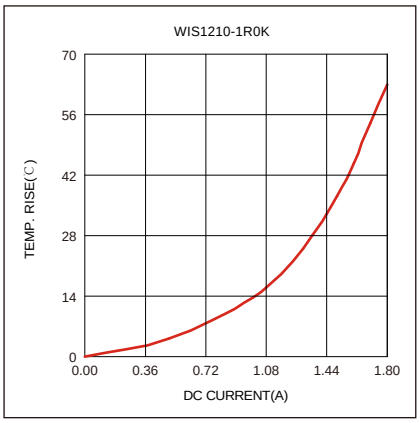
Part No	Inductance	Tolerance	Q Min.	Test Frequency (MHz)	SRF Typ. (MHz)	DC Resistance Max.	Rated Current Max. (mA)

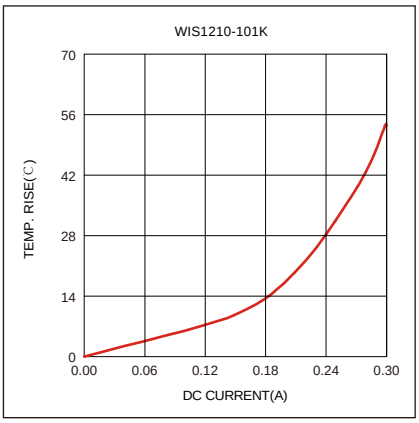
Rated Current: The actual value of DC current when the temperature rise is △T=20°C

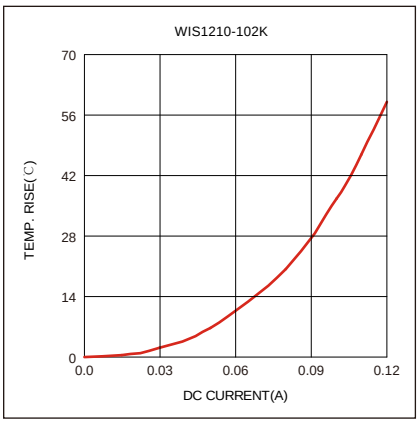
Typical Electrical Characteristics:

Temperture Rise VS. Current Characteristics:

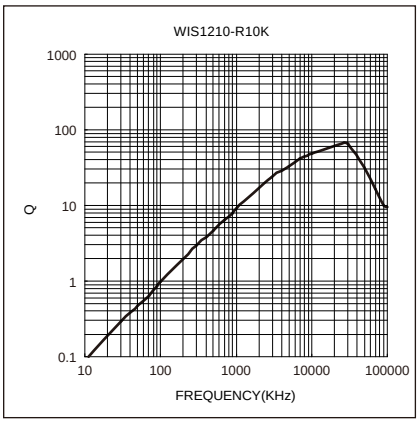


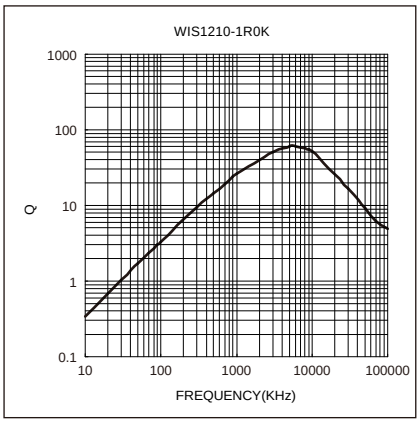


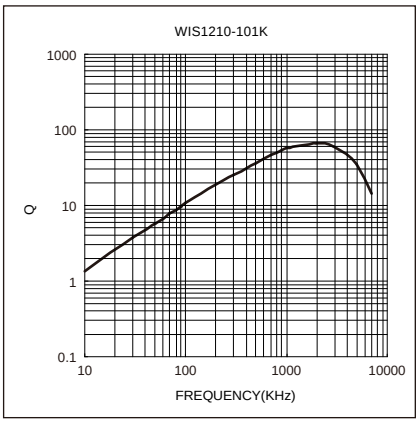


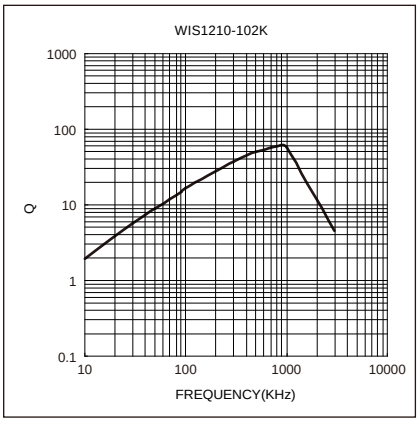


Q VS. Frequency Characteristics:

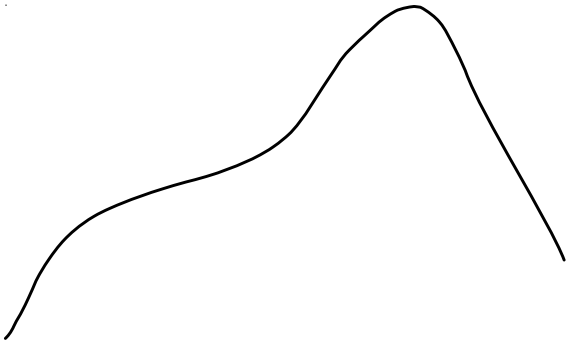








Soldering Reflow:



Preheat condition: 150 ~200℃/ 60~180 sec.

Allowed time above 217℃: 60~150 sec.

Max temperature: 250℃.

Cautions and Warnings:

Storage Conditions:

- The storage period is within 12 months after the completion of production. Be sure to follow the storage conditions (temperature: -5 to 35°C, humidity: 75% RH Max).If the storage period elapses, the soldering of the terminal electrodes may deteriorate.The warranty period is one year.
- Product should not be exposed to environment with high temperature, high humidity, dust, corrosive gas and etc.
- Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- Please always handle products carefully to prevent any damage caused by dropping down or inappropriate removing.

Operation Instructions:

- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Before soldering, be sure to preheat components.The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.
- Soldering corrections after mounting should be within the range of the conditions determined in the specifications.If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- Generally, Koher might not be familiar with either customer's specific application or actual requests as customer does.As a result customer shall be responsible for checking and confirming whether Koher product with the performance described in the product specification is suitable for using in customer's particular application or not.