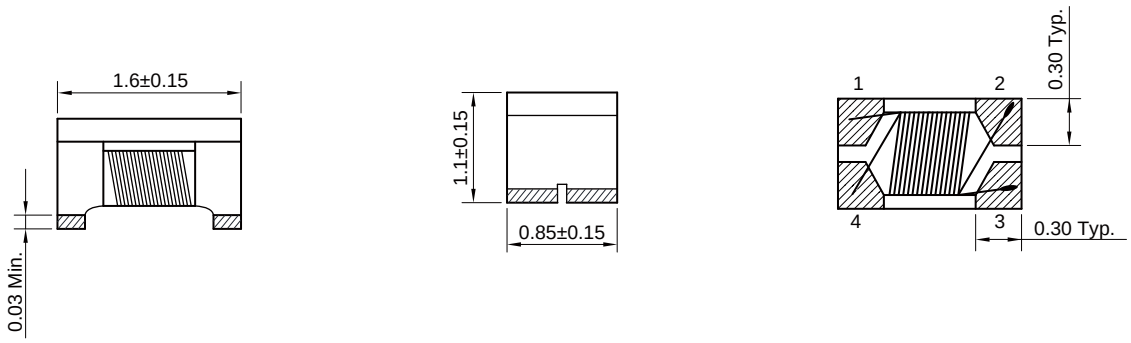
**SCM Series**
Common Mode Filter
Size 1608

## DimensionsC1]mm]



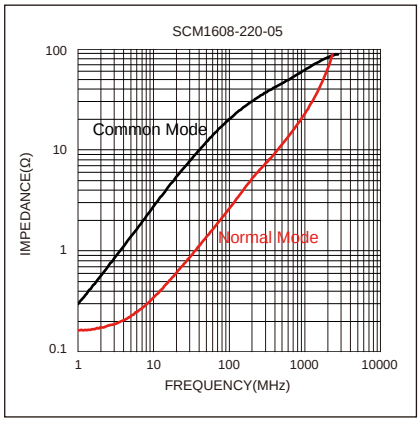

## Schematic:

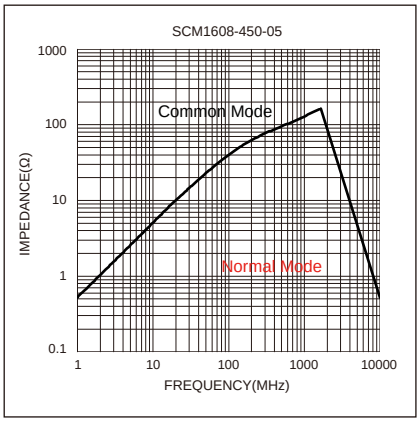


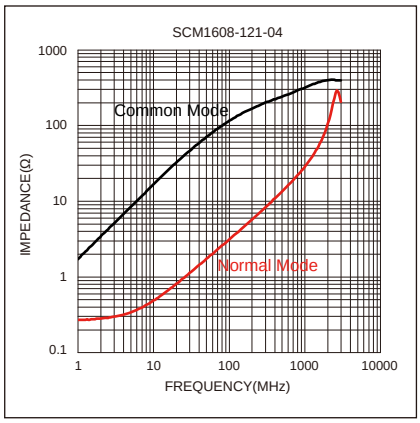
## Electrical Properties:

| | (Ω) | | (Ω) | (mA) | (V) | (V) | (MΩ) |
|---|---|---|---|---|---|---|---|
| SCM1608-220-05 | 22 | ±25% | 0.080 | 500 | 50 | 125 | 10 |
| SCM1608-450-05 | 45 | ±25% | 0.110 | 500 | 50 | 125 | 10 |
| SCM1608-900-05 | 90 | ±25% | 0.145 | 550 | 50 | 125 | 10 |
| SCM1608-121-04 | 120 | ±25% | 0.175 | 450 | 50 | 125 | 10 |
| SCM1608-181-05 | 180 | ±25% | 0.210 | 500 | 50 | 125 | 10 |
| SCM1608-251-04 | 250 | ±25% | 0.280 | 400 | 50 | 125 | 10 |

# Typical Electrical Characteristics:



# 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.

## Conformal coating:

- The inductance value may change due to the high cure stress of the resin used for coating or molding.
- An open circuit may occur due to mechanical stress from the resin, its amount, cured shape, or operating conditions.
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