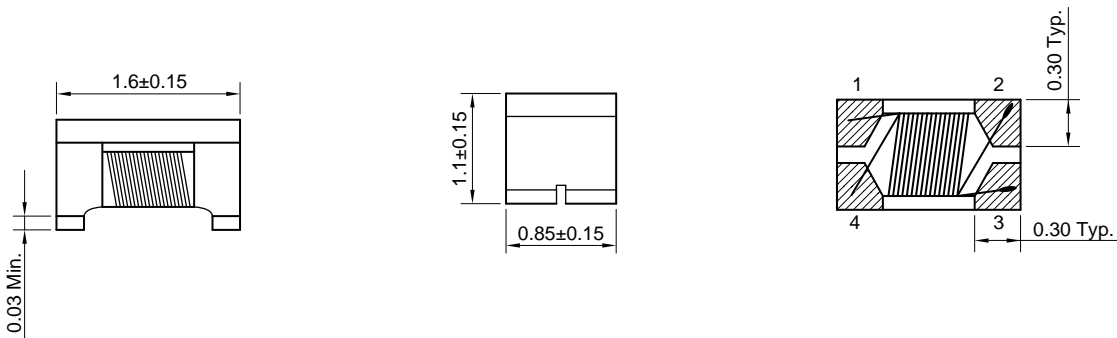


**SCM Series**  
**Common Mode Filter**  
**Size 1608**

**Dimensions C1 [mm]**

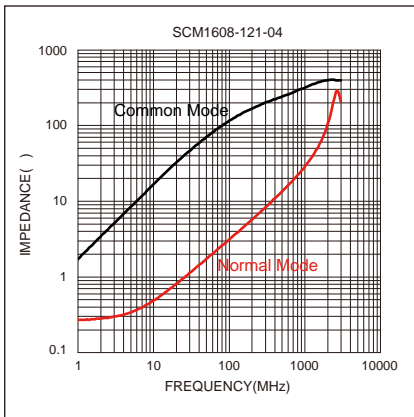
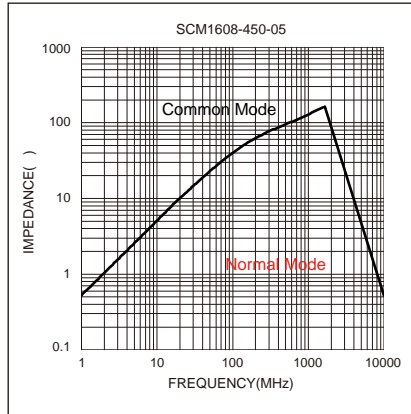
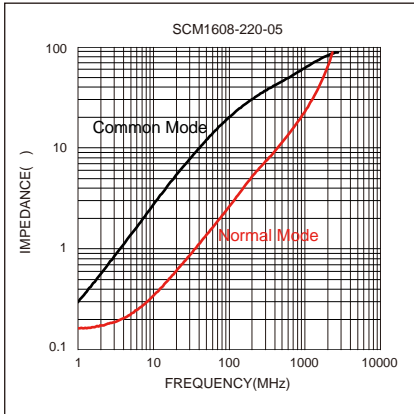


**Schematic:**

**Electrical Properties:**

	( )		( )	(mA)	(V)	(V)	(M )
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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