

# MCCM Series

## Multilayer Chip Common Mode Filter

### Size 0806



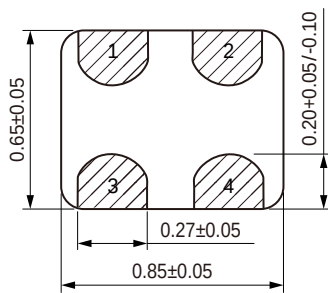
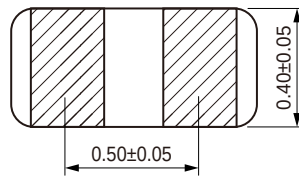
#### FEATURES

- Effective for suppressing common mode noise at high frequency.
- Excellent solderability characteristics.
- Small size & low profile.
- Multilayer type SMD component based on LTCC technology.
- Operating temperature: -40 to +85 °C

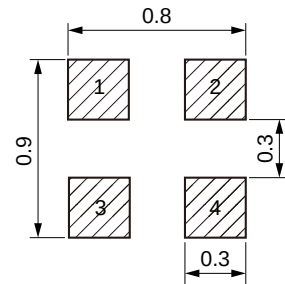
#### APPLICATION

- Common mode noise suppression of high speed differential signal lines, such as MIPI, MHL, HDMI, IEEE802.3 in mobile phone, tablet PC, TV etc.

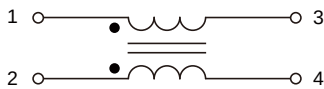
Dimensions: [mm]



Land Pattern: [mm]



Schematic:



Electrical Properties:

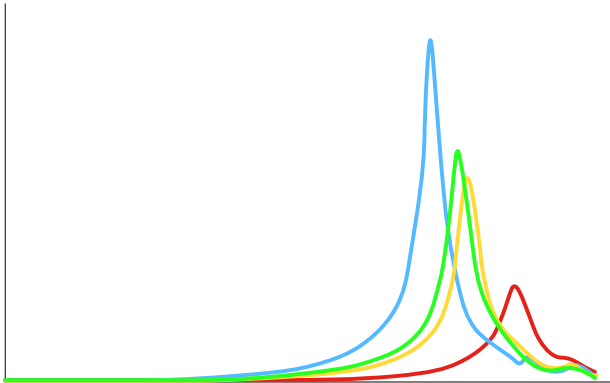
| Part No          | Impedance<br>@ 100MHz (Ω) | Impedance<br>Tolerance | DC<br>Resistance<br>Max. | Rated Current<br>Max. | Resistance<br>Min. |  |
|------------------|---------------------------|------------------------|--------------------------|-----------------------|--------------------|--|
| MCCM0806U-2-120M | 12                        | ±5 Ω                   | 2.5                      | 130                   |                    |  |
| MCCM0806U-2-350M | 35                        | ±20%                   | 3.5                      | 100                   |                    |  |
| MCCM0806U-2-470M | 47                        | ±20%                   | 4.0                      | 100                   |                    |  |
| MCCM0806U-2-900M | 90                        | ±20%                   | 4.5                      | 100                   |                    |  |



| Part No          | Impedance @ 100MHz | Tolerance | DC Resistance Max. | Rated Current Max. | Rated Voltage |    | Withstand Voltage |
|------------------|--------------------|-----------|--------------------|--------------------|---------------|----|-------------------|
| MCCM0806F-2-300M | 30                 | ±20%      | 3.0                | 100                | 5             | 10 | 12.5              |
| MCCM0806F-2-900M | 90                 | ±20%      | 4.0                | 100                | 5             | 10 | 12.5              |
| MCCM0806F-2-121M | 120                | ±20%      | 4.0                | 100                | 5             | 10 | 12.5              |

| Part No          | Impedance @ 100MHz | Tolerance | DC Resistance Max. | Rated Current Max. |    |  | Withstand Voltage |
|------------------|--------------------|-----------|--------------------|--------------------|----|--|-------------------|
| MCCM0806F-2-551M | 550                | ±25%      | 10.0               | 50                 | 10 |  | 12.5              |

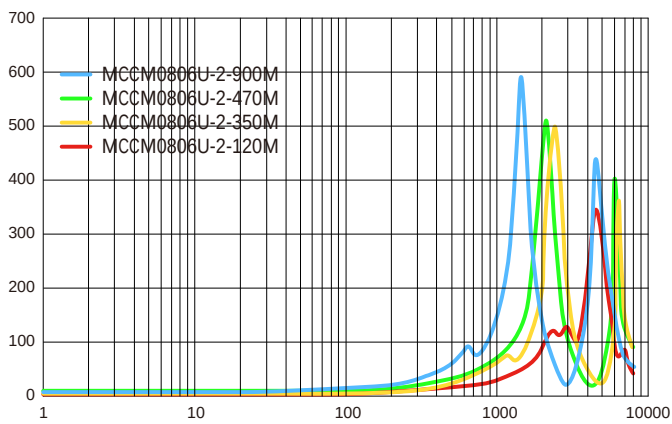
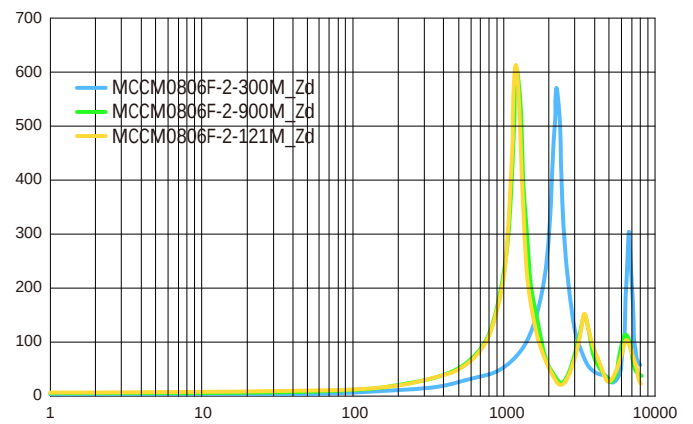
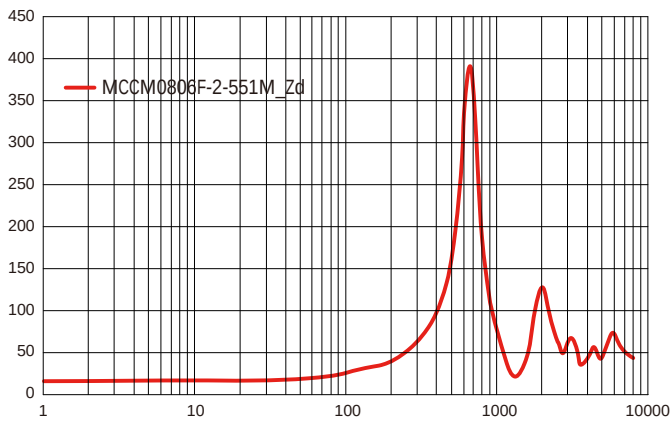
Typical Electrical Characteristics:



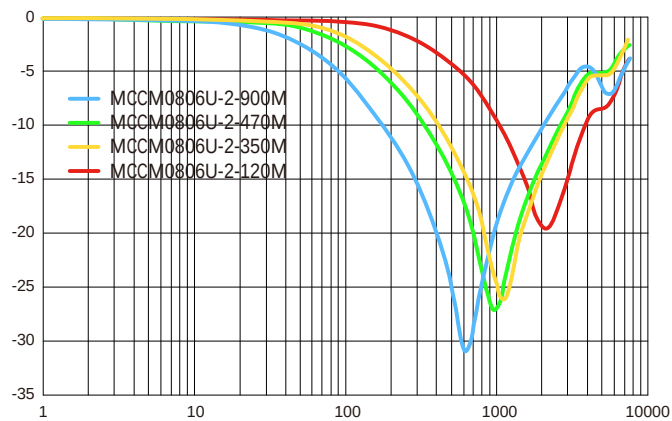
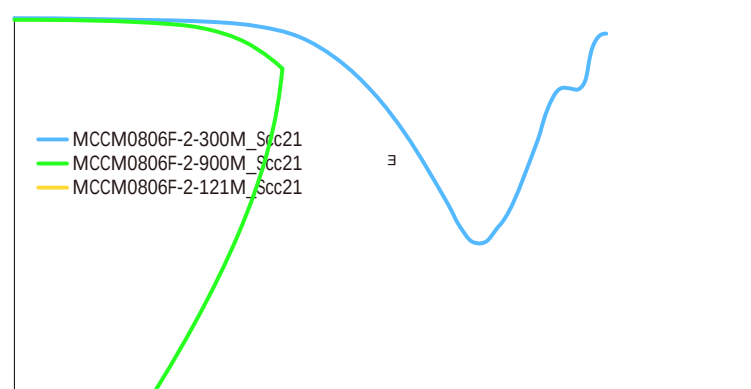


## Typical Electrical Characteristics:

### Impedance & Frequency Characteristics(Differential):



### Insertion loss & Frequency Characteristics(Common):





## Typical Electrical Characteristics:

