

MCCM Series
Multilayer Chip Common Mode Filter
Size 0806



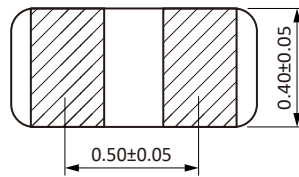
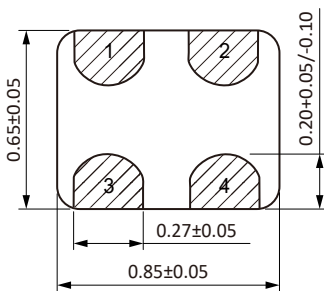
FEATURES

- 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

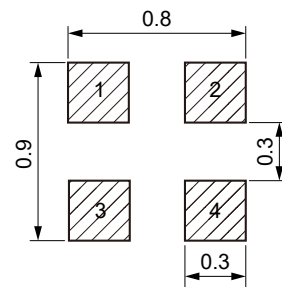
APPLICATION

- Common mode noise suppression of high speed differential signal lines, such as MIPI, MHL, HDMI, IEE802.3 in mobile phone, tablet PC, TV etc.

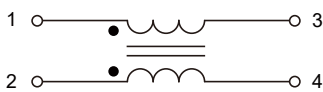
Dimensions: [mm]



Land Pattern: [mm]



Schematic:



Electrical Properties:

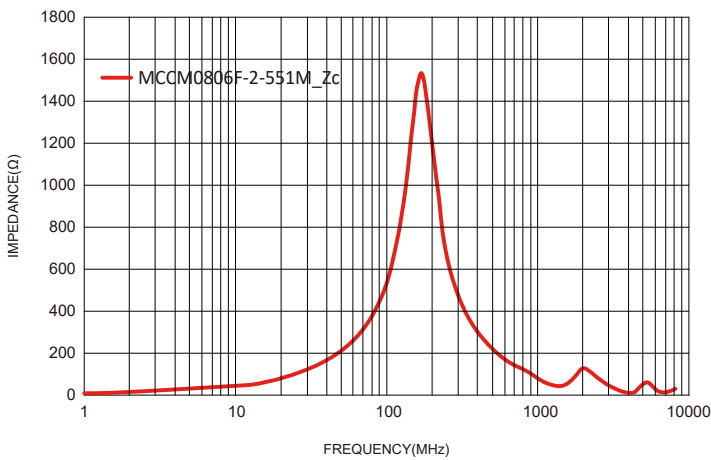
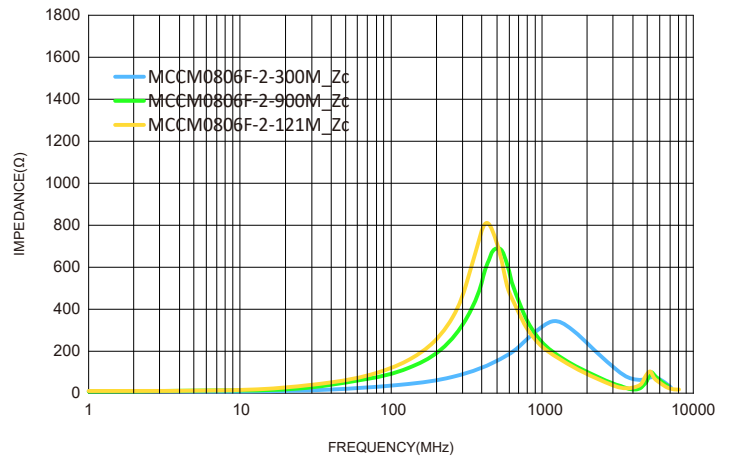
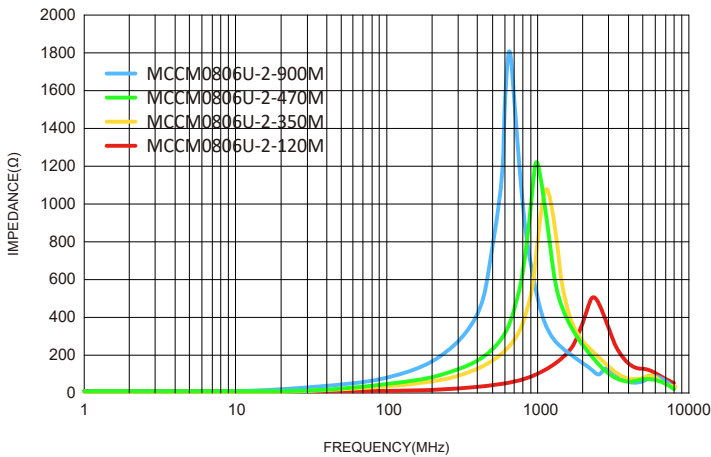
Part No	Impedance @ 100MHz (Ω)	Tolerance	DC Resistance Max. (Ω)	Rated Current Max. (mA)	Insulation Resistance Min. (MΩ)	Cutoff Frequency Typ. (GHz)
MCCM0806U-2-120M	12	±5 Ω	2.5	130	100	> 8
MCCM0806U-2-350M	35	±20%	3.5	100	100	> 6
MCCM0806U-2-470M	47	±20%	4.0	100	100	6
MCCM0806U-2-900M	90	±20%	4.5	100	100	3.5

Part No	Impedance @ 100MHz (Ω)	Tolerance	DC Resistance Max. (Ω)	Rated Current Max. (mA)	Rated Voltage (Volts)	Insulation Resistance Min. (MΩ)	Withstand Voltage (Volts)
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 (Ω)	Tolerance	DC Resistance Max. (Ω)	Rated Current Max. (mA)	Insulation Resistance Min. (MΩ)	Withstand Voltage (Volts)
MCCM0806F-2-551M	550	±25%	10.0	50	10	12.5

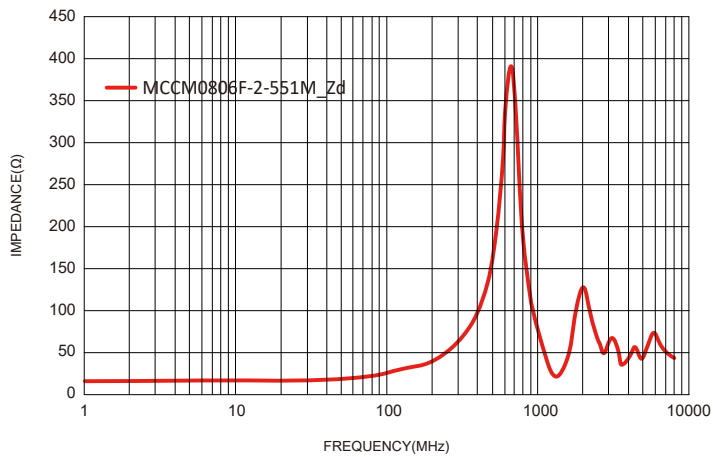
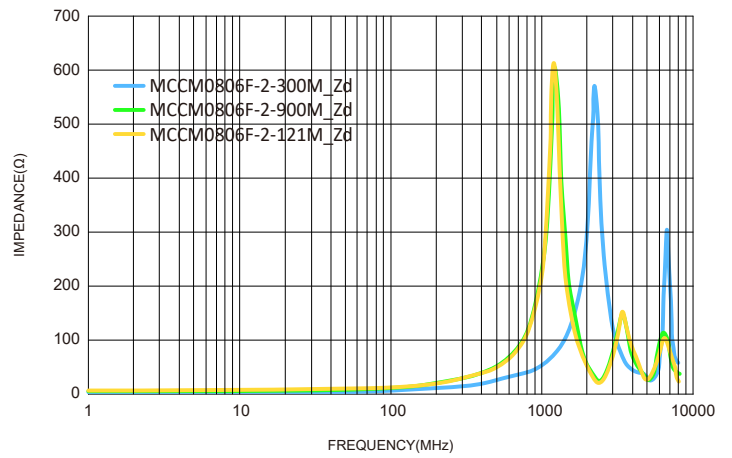
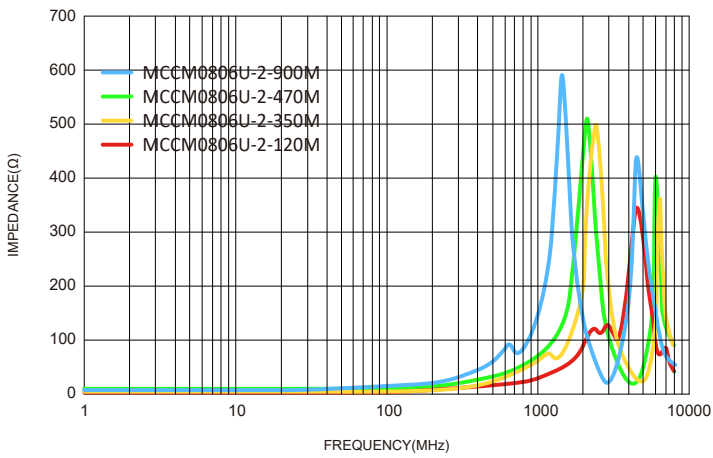
Typical Electrical Characteristics:

Impedance & Frequency Characteristics(Common):

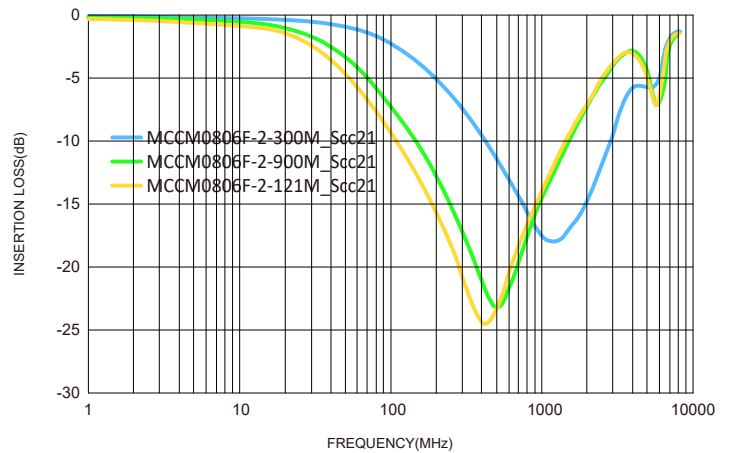
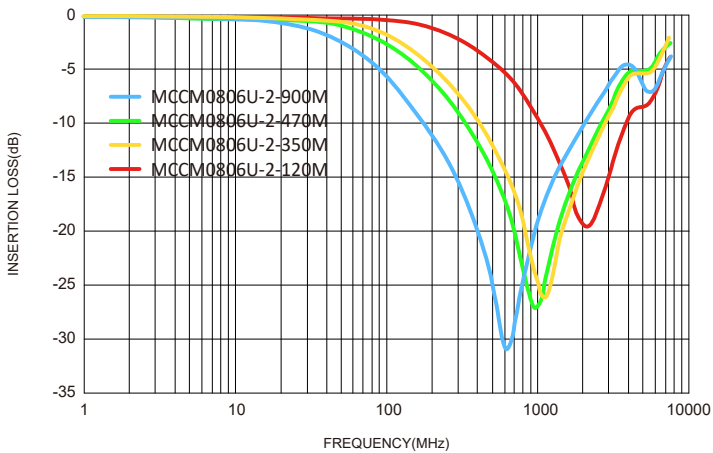


Typical Electrical Characteristics:

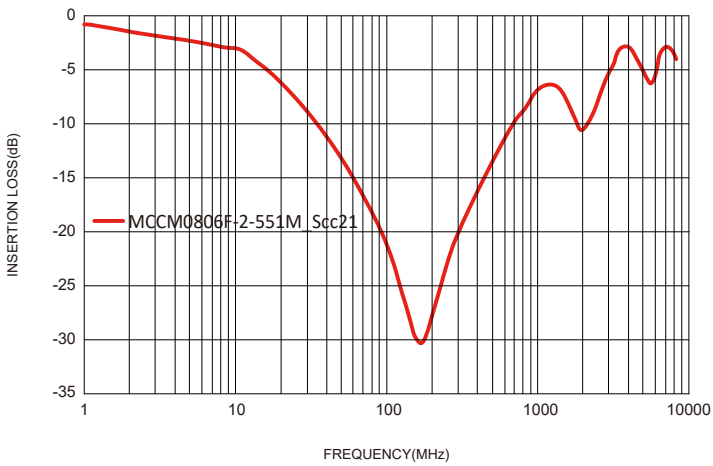
Impedance & Frequency Characteristics(Differential):



Insertion loss & Frequency Characteristics(Common):



Typical Electrical Characteristics:



Insertion loss & Frequency Characteristics(Differential):

