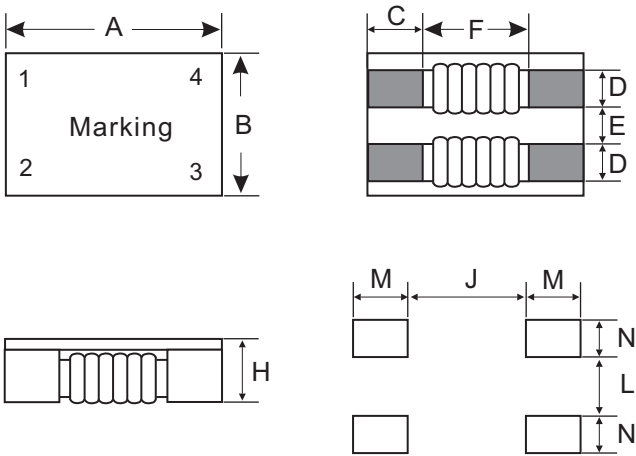


# SMD Common Mode Filter



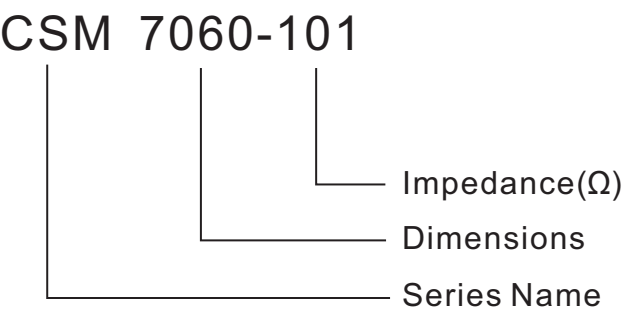
## Dimensions and Footprint (Unit:mm)

| Type    | A        | B        | C        | D       | E       | F      | H      | J   | L   | M   | N    |
|---------|----------|----------|----------|---------|---------|--------|--------|-----|-----|-----|------|
| CSM7060 | 7.0±0.5  | 6.0±0.5  | 1.75±0.2 | 1.5±0.2 | 1.5±0.2 | 3.5REF | 3.8MAX | 2.5 | 1.5 | 2.2 | 1.5  |
| CSM9070 | 9.0±0.5  | 7.0±0.5  | 1.7±0.2  | 1.5±0.2 | 2.0±0.2 | 5.7REF | 4.8MAX | 5   | 1.5 | 3   | 1.75 |
| CSM1211 | 12.0±0.5 | 10.8±0.5 | 2.5±0.2  | 2.7±0.2 | 2.5±0.2 | 7.0REF | 6.4MAX | 6.8 | 2.3 | 3   | 2.9  |

## Description

- The CSM series is specifically designed to eliminate common mode noise in USB 2.0, IEEE1394 and LVDS applications.
- A dual winding configuration in a tight form factor provides exceptional EMI reduction in space-constrained environments.
- Operating temperature: -40°C to +105°C
- Suitable for reflow soldering.

## Part Number Code



## CSM7060

| P/N         | Impedance( $\Omega$ ) $\pm$ 25%<br>100MHz |      | IDC(A)<br>(Max) | DCR(m $\Omega$ )<br>(Max) | Insulation<br>Resistance(m $\Omega$ )<br>(Min) | Rated Voltage<br>Vdc(V)<br>(Max) |
|-------------|---|------|-----------------|---------------------------|--|----------------------------------|
|             | Min.                                      | Typ. |                 |                           |  |                                  |
| CSM7060-101 | 100                                       | 140  | 9               | 10                        | 10   | 80                               |
| CSM7060-301 | 225                                       | 300  | 5               | 10                        | 10   | 80                               |
| CSM7060-351 | 275                                       | 350  | 5               | 10                        | 10   | 80                               |
| CSM7060-701 | 500                                       | 700  | 4               | 15                        | 10   | 80                               |
| CSM7060-102 | 800                                       | 1020 | 3               | 17                        | 10   | 80                               |
| CSM7060-132 | 910                                       | 1300 | 2.5             | 21                        | 10   | 80                               |

## CSM9070

| P/N         | Impedance( $\Omega$ ) $\pm$ 25%<br>100MHz |      | IDC(A)<br>(Max) | DCR(m $\Omega$ )<br>(Max) | Insulation<br>Resistance(m $\Omega$ )<br>(Min) | Rated Voltage<br>Vdc(V)<br>(Max) |
|-------------|---|------|-----------------|---------------------------|--|----------------------------------|
|             | Min.                                      | Typ. |                 |                           |  |                                  |
| CSM9070-301 | 225                                       | 300  | 6               | 6                         | 10   | 50                               |
| CSM9070-601 | 450                                       | 600  | 5.5             | 8                         | 10   | 50                               |
| CSM9070-701 | 500                                       | 700  | 5               | 10                        | 10   | 50                               |
| CSM9070-102 | 750                                       | 1000 | 4               | 13                        | 10   | 50                               |
| CSM9070-272 | 2000                                      | 2700 | 2               | 86                        | 10   | 50                               |

## CSM1211

| P/N         | Impedance( $\Omega$ ) $\pm$ 25%<br>100MHz |      | IDC(A)<br>(Max) | DCR(m $\Omega$ )<br>(Max) | Insulation<br>Resistance(m $\Omega$ )<br>(Min) | Rated Voltage<br>Vdc(V)<br>(Max) |
|-------------|---|------|-----------------|---------------------------|--|----------------------------------|
|             | Min.                                      | Typ. |                 |                           |  |                                  |
| CSM1211-231 | 80  | 230  | 10              | 2                         | 10   | 50                               |
| CSM1211-701 | 500                                       | 700  | 8               | 6                         | 10   | 50                               |
| CSM1211-801 | 600                                       | 800  | 8               | 8                         | 10   | 50                               |
| CSM1211-102 | 750                                       | 1000 | 6               | 14                        | 10   | 50                               |
| CSM1211-252 | 2200                                      | 2500 | 1.8             | 35                        | 10   | 50                               |
| CSM1211-272 | 2300                                      | 2700 | 1.5             | 50                        | 10   | 50                               |