

## CMZ2012 Series Common Mode Choke Coil

### Features

- Small Size with industry grade performance.
- 100%Lead (Pb) &Halogen-Free and RoHS compliant.
- Good common mode noise suppression.

### Applications

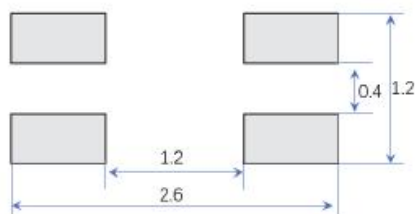
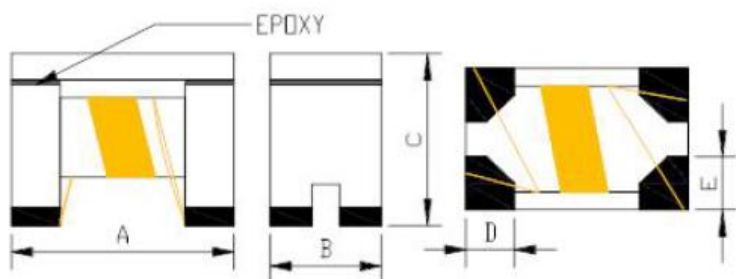
- Interface of USB, HDMI, LVDS and etc.
- Panel link for LCD panels

### Yint CMCC P/N Information

① ② ③ ④ ⑤ ⑥  
• CM Z 2012 A- 300 T

- ① CMCC  
② Series  
③ Size  
④ Special code  
⑤ Z Value  
⑥ Taping information

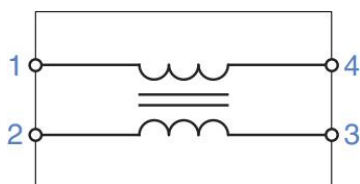
### Shape & Dimension information



Unit:mm

| A         | B         | C         | D      | E      |
|-----------|-----------|-----------|--------|--------|
| 2.00±0.20 | 1.20±0.20 | 1.20±0.20 | 0.5TYP | 0.5TYP |

### Schematic Circuit



## CMZ2012 Series Common Mode Choke Coil

## Specification

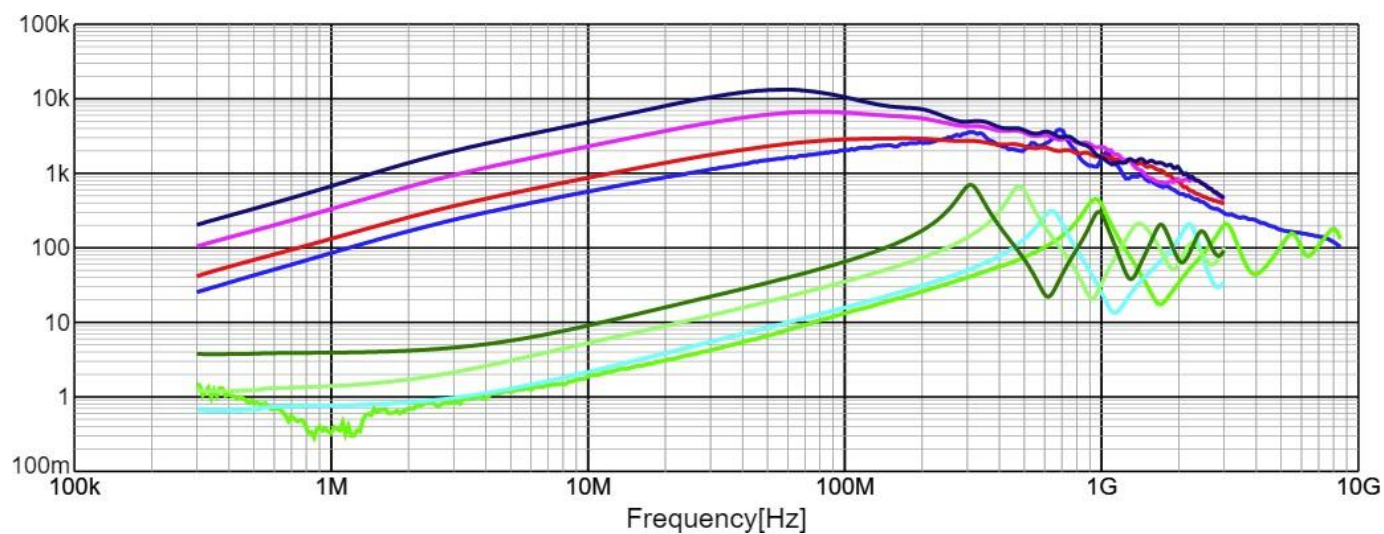
| Yint P/N      | Z( $\Omega$ ) | DCR(m $\Omega$ ) | IR(M $\Omega$ ) | Rated Voltage (Vdc) | I <sub>rms</sub> (A) |
|---------------|---------------|------------------|-----------------|---------------------|----------------------|
|               | @100MHZ       |                  |                 |                     |                      |
|               | $\pm 25\%$    |                  |                 |                     |                      |
| CMZ2012A-300T | 30            | 200              | 10              | 50                  | 0.45                 |
| CMZ2012A-500T | 50            | 250              | 10              | 50                  | 0.55                 |
| CMZ2012A-750T | 75            | 250              | 10              | 50                  | 0.40                 |
| CMZ2012A-900T | 90            | 300              | 10              | 50                  | 0.40                 |
| CMZ2012A-121T | 120           | 300              | 10              | 50                  | 0.37                 |
| CMZ2012A-161T | 160           | 350              | 10              | 50                  | 0.35                 |
| CMZ2012A-181T | 180           | 350              | 10              | 50                  | 0.35                 |
| CMZ2012A-201T | 200           | 350              | 10              | 50                  | 0.35                 |
| CMZ2012A-221T | 220           | 350              | 10              | 50                  | 0.35                 |
| CMZ2012A-251T | 250           | 400              | 10              | 50                  | 0.32                 |
| CMZ2012A-261T | 260           | 400              | 10              | 50                  | 0.30                 |
| CMZ2012A-301T | 300           | 400              | 10              | 50                  | 0.29                 |
| CMZ2012A-361T | 360           | 400              | 10              | 50                  | 0.28                 |
| CMZ2012A-371T | 370           | 450              | 10              | 50                  | 0.28                 |
| CMZ2012A-481T | 480           | 550              | 10              | 50                  | 0.20                 |
| CMZ2012A-501T | 500           | 550              | 10              | 50                  | 0.20                 |
| CMZ2012A-601T | 600           | 550              | 10              | 50                  | 0.20                 |
| CMZ2012A-671T | 670           | 600              | 10              | 50                  | 0.18                 |
| CMZ2012A-681T | 680           | 700              | 10              | 50                  | 0.18                 |
| CMZ2012A-751T | 750           | 800              | 10              | 50                  | 0.15                 |
| CMZ2012A-801T | 800           | 1000             | 10              | 50                  | 0.15                 |
| CMZ2012A-901T | 900           | 1000             | 10              | 50                  | 0.10                 |
| CMZ2012A-102T | 1000          | 1200             | 10              | 50                  | 0.10                 |

## Testing Conditions:

1. All test data is base on 25 °C ambient .
2. Operating temperature range - 40 °C to + 125 °C
3. I<sub>rms</sub> (A):DC current will cause an approximate  $\Delta T$  of 40 °C base on 25 °C ambient temperature
4. The part temperature (ambient + temp rise) should not exceed 125 °C under worst cases.

## CMZ2012 Series Common Mode Choke Coil

## Common Mode &amp; Differential Mode Curve



CMZ2012A-121T |Zc|  
 CMZ2012A-161T |Zc|  
 CMZ2012A-601T |Zc|  
 CMZ2012A-102T |Zc|

CMZ2012A-121T |Zd|  
 CMZ2012A-161T |Zd|  
 CMZ2012A-601T |Zd|  
 CMZ2012A-102T |Zd|

## Reel &amp; QTY information

| Series  | MPQ(Pcs) | Tape Reel (W / P) mm |
|---------|----------|----------------------|
| CMZ2012 | 2,000    | 7" (8 / 4)           |