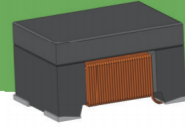


# Wire Wound Chip Common Mode Choke –AMCW -S Series



Operating Temp : -40°C ~+125°C

## FEATURES

- ◆ Small size, high reliability
- ◆ High quality, fast delivery, low cost
- ◆ Support vehicle signal transmission interface (USB2.0), support 3D transmission, meet higher resolution, refresh rate and color depth, support 1080P above playback
- ◆ AEC-Q200 verified

## APPLICATIONS

- ◆ Automotive USB 2.0

## PRODUCT IDENTIFICATION

|      |      |   |    |      |   |
|------|------|---|----|------|---|
| 1    | 2    | 3 | 4  | 5    | 6 |
| AMCW | 2012 | S | -2 | -900 | T |

| 1 Type |  |
|--------|--|
| AMCW   | Wire Wound Chip Common Mode Choke for Automotive |

| 2 External Dimensions (L×W) (mm) |         |
|----------------------------------|---------|
| 2012 [0805]                      | 2.0×1.2 |

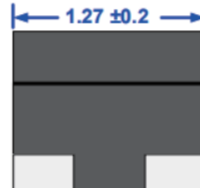
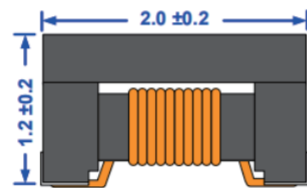
| 3 Code |        |
|--------|--------|
| S      | Signal |

| 5 Nominal Impedance (Ω) |               |
|-------------------------|---------------|
| Example                 | Nominal Value |
| 670                     | 67            |
| 900                     | 90            |
| 121                     | 120           |
| 181                     | 180           |
| 361                     | 360           |
| 481                     | 480           |

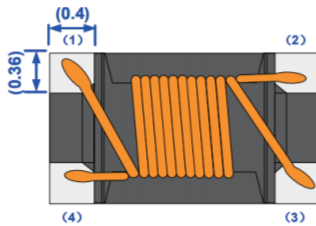
| 4 Number of Lines |   |
|-------------------|---|
|                   | 2 |

| 6 Packing |             |
|-----------|-------------|
| T         | Tape & Reel |

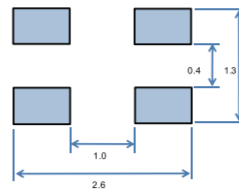
## SHAPE AND DIMENSIONS



Unit: mm



### Recommended Land Pattern



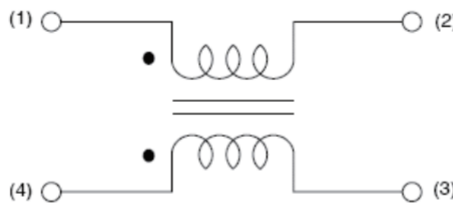
**SPECIFICATIONS** AMCW2012S TYPE

| Part Number      | Impedance@ 100MHz | DC Resistance | Rated Current  | Rated Voltage   | Insulation Resistance |
|------------------|-------------------|---------------|----------------|-----------------|-----------------------|
|                  | ±25%              | Max.          | Max.           | Max.            | Min.                  |
| Units            | Ω                 | Ω             | mA             | Volts           | MΩ                    |
| Symbol           | Z                 | DCR           | I <sub>r</sub> | V <sub>DC</sub> | IR                    |
| AMCW2012S-2-670T | 67                | 0.18          | 420            | 50              | 10                    |
| AMCW2012S-2-900T | 90                | 0.22          | 400            | 50              | 10                    |
| AMCW2012S-2-121T | 120               | 0.22          | 400            | 50              | 10                    |
| AMCW2012S-2-181T | 180               | 0.28          | 350            | 50              | 10                    |
| AMCW2012S-2-361T | 360               | 0.39          | 280            | 50              | 10                    |
| AMCW2012S-2-481T | 480               | 0.37          | 290            | 50              | 10                    |

1.Storage temperature range (packaging conditions):-10°C ~+40°C and RH 70% (Max.)

※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

**EQUIVALENT CIRCUIT**



**TYPICAL ELECTRICAL CHARACTERISTICS**

AMCW2012S TYPE  
Impedance vs. Frequency

