

## ● Part Numbering

### Chip Common Mode Choke Coil for Automotive

|               |    |   |    |   |   |     |   |   |   |   |
|---------------|----|---|----|---|---|-----|---|---|---|---|
| (Part Number) | DL | W | 43 | S | H | 101 | X | K | 2 | L |
|               | ①  | ② | ③  | ④ | ⑤ | ⑥   | ⑦ | ⑧ | ⑨ | ⑩ |

#### ① Product ID

| Product ID |                              |
|------------|------------------------------|
| DL         | Chip Common Mode Choke Coils |

#### ② Structure

| Code | Structure       |
|------|-----------------|
| W    | Wire Wound Type |

#### ③ Dimensions (LxW)

| Code | Dimensions (LxW) | Size Code (inch) |
|------|------------------|------------------|
| 21   | 2.0x1.2mm        | 0805             |
| 31   | 3.2x1.6mm        | 1206             |
| 32   | 3.2x2.5mm        | 1210             |
| 43   | 4.5x3.2mm        | 1812             |
| 44   | 4.0x4.0mm        | 1515             |
| 5A   | 5.0x3.6mm        | 2014             |
| 5B   | 5.0x5.0mm        | 2020             |

#### ④ Features (1)

| Code | Type                                                                                          |
|------|-----------------------------------------------------------------------------------------------|
| S    | Magnetically Shielded One Circuit Type                                                        |
| T    | One Circuit Low Profile Type                                                                  |
| M    | Magnetically Shielded One Circuit Type<br>(Transfer mode conversion characteristics improved) |
| U    | Non-magnetic One Circuit Type                                                                 |

#### ⑤ Category

| Code | Category       |                    |
|------|----------------|--------------------|
| Z    | For Automotive | Infotainment       |
| H    |                | Powertrain, Safety |

#### ⑥ Impedance

Typical impedance at 100MHz is expressed by three figures. The unit is in ohm ( $\Omega$ ). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

#### ⑥ Inductance (DLW43SH)

Expressed by three figures. The unit is micro-henry ( $\mu\text{H}$ ). The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two figures.

#### ⑦ Circuit

| Code | Circuit                |
|------|------------------------|
| S    | Expressed by a letter. |
| M    |                        |
| H    |                        |
| T    |                        |
| X    |                        |
| Y    |                        |

#### ⑧ Features (2)

| Code | Features               |
|------|------------------------|
| K    | Expressed by a letter. |
| P    |                        |
| T    |                        |
| F    |                        |
| Q    |                        |
| A    |                        |

#### ⑨ Number of Signal Lines

| Code | Number of Signal Lines |
|------|------------------------|
| 2    | Two Lines              |

#### ⑩ Packaging

| Code | Packaging                                   |
|------|---------------------------------------------|
| K    | Embossed Taping ( $\varnothing$ 330mm Reel) |
| L    | Embossed Taping ( $\varnothing$ 180mm Reel) |
| B    | Bulk                                        |

Chip Common Mode Choke Coil for Automotive

|               |    |   |    |   |   |     |   |   |   |    |
|---------------|----|---|----|---|---|-----|---|---|---|----|
| (Part Number) | DL | M | 11 | S | N | 900 | H | Z | 2 | L  |
|               | 1  | 2 | 3  | 4 | 5 | 6   | 7 | 8 | 9 | 10 |

1 Product ID

| Product ID |                              |
|------------|------------------------------|
| DL         | Chip Common Mode Choke Coils |

2 Structure

| Code | Structure       |
|------|-----------------|
| M    | Multilayer Type |

3 Dimensions (LxW)

| Code | Dimensions (LxW) | Size Code (inch) |
|------|------------------|------------------|
| OQ   | 0.65x0.5mm       | 025020           |
| ON   | 0.85x0.65mm      | 03025            |
| 11   | 1.25x1.0mm       | 0504             |

4 Features (1)

| Code | Type                                   |
|------|----------------------------------------|
| S    | Magnetically Shielded One Circuit Type |

5 Category

| Code | Category    |
|------|-------------|
| N    | For General |

6 Impedance

Typical impedance at 100MHz is expressed by three figures. The unit is in ohm ( $\Omega$ ). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

7 Circuit

| Code | Circuit                |
|------|------------------------|
| H    | Expressed by a letter. |

8 Features (2)

| Code | Features       |                    |
|------|----------------|--------------------|
| Z    | For Automotive | Infotainment       |
| H    |                | Powertrain, Safety |

9 Number of Signal Lines

| Code | Number of Signal Lines |
|------|------------------------|
| 2    | Two Lines              |

10 Packaging

| Code | Packaging                                   |
|------|---------------------------------------------|
| L    | Embossed Taping ( $\varnothing$ 180mm Reel) |
| B    | Bulk                                        |