

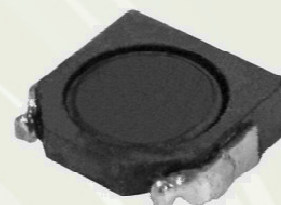
# SMD Power Inductor CDRH26D11



 **sumida**

## ■ Features

- ◎ Small size inductor: 3.1 × 2.8mm Max. (L × W) and 1.2mm Max height.
- ◎ Operating temperature range: -40°C~+105°C.
- ◎ Magnetically shielded.
- ◎ RoHS and Halogen-Free Compliance.

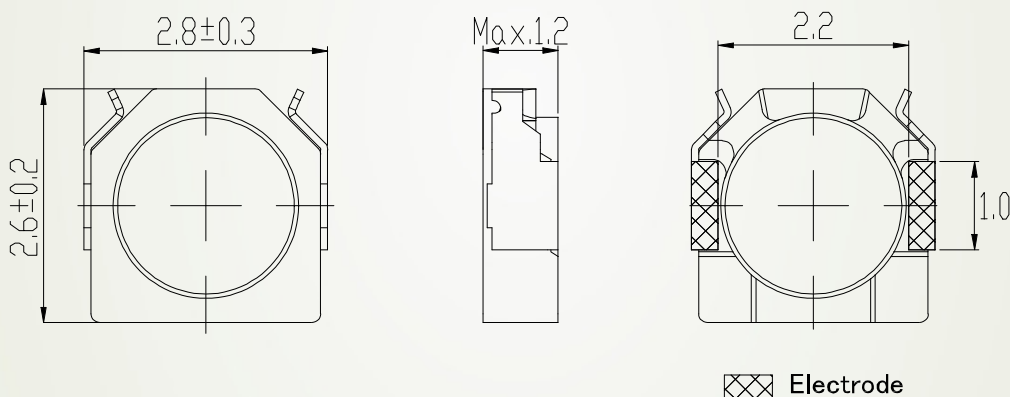


## ■ Applications

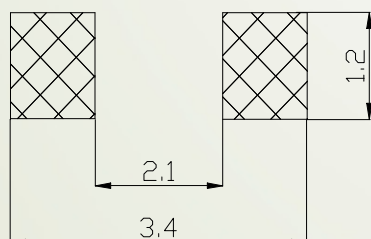
Low profile, surface mount inductor for MP3/MP4, mobile phone, DSC/DVC, and other portable devices.

## ■ Shapes and Dimensions/Recommended Land Patterns(mm)

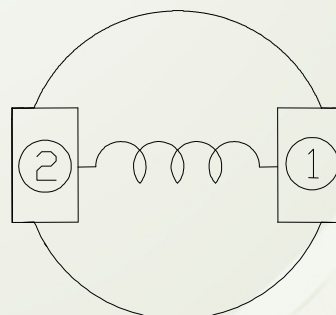
### ◆ Dimensions



### ◆ Land pattern



### ◆ Schematics (Bottom)



# SMD Power Inductor CDRH26D11



## ■Electrical Characteristics specification.

| Part No.          | Stamp | Inductance<br>100kHz<br>( $\mu$ H) | D.C.R.(m $\Omega$ )<br>[Max.](Typ.)<br>( 20°C) | Saturation Current<br>( A ) ※ 1 |             | Temperature<br>Rise Current<br>( A ) ※ 2 |
|-------------------|-------|------------------------------------|------------------------------------------------|---------------------------------|-------------|------------------------------------------|
|                   |       |                                    |                                                | (at 20°C)                       | ( at 105°C) |                                          |
| CDRH26D11NP-1R0NC | A     | 1.0 $\pm$ 30%                      | 67.5(54.0)                                     | 1.30                            | 1.05        | 1.70                                     |
| CDRH26D11NP-1R5PC | B     | 1.5 $\pm$ 25%                      | 77.5(62.0)                                     | 1.20                            | 0.98        | 1.60                                     |
| CDRH26D11NP-2R2PC | C     | 2.2 $\pm$ 25%                      | 111(81.1)                                      | 0.98                            | 0.85        | 1.25                                     |
| CDRH26D11NP-2R7PC | D     | 2.7 $\pm$ 25%                      | 122(97.7)                                      | 0.88                            | 0.74        | 1.15                                     |
| CDRH26D11NP-3R3PC | E     | 3.3 $\pm$ 25%                      | 135(108)                                       | 0.75                            | 0.65        | 1.05                                     |
| CDRH26D11NP-4R7PC | F     | 4.7 $\pm$ 25%                      | 225(180)                                       | 0.64                            | 0.52        | 0.80                                     |
| CDRH26D11NP-5R6PC | G     | 5.6 $\pm$ 25%                      | 261(209)                                       | 0.59                            | 0.50        | 0.75                                     |
| CDRH26D11NP-6R8PC | H     | 6.8 $\pm$ 25%                      | 280(224)                                       | 0.56                            | 0.45        | 0.70                                     |
| CDRH26D11NP-8R2PC | I     | 8.2 $\pm$ 25%                      | 386(309)                                       | 0.47                            | 0.40        | 0.60                                     |
| CDRH26D11NP-100PC | J     | 10 $\pm$ 25%                       | 431(345)                                       | 0.44                            | 0.38        | 0.52                                     |
| CDRH26D11NP-120PC | K     | 12 $\pm$ 25%                       | 601(481)                                       | 0.39                            | 0.33        | 0.43                                     |
| CDRH26D11NP-150PC | L     | 15 $\pm$ 25%                       | 694(555)                                       | 0.36                            | 0.31        | 0.40                                     |

※1 Saturation Current: The DC current at which the inductance decreases to 70% of its nominal value.

※2 Temperature Rise Current: The DC current at which the temperature rise is  $\Delta t=40^{\circ}\text{C}$  ( $T_a=20^{\circ}\text{C}$ ) .

### For More Information

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