

# SMD POWER INDUCTORS

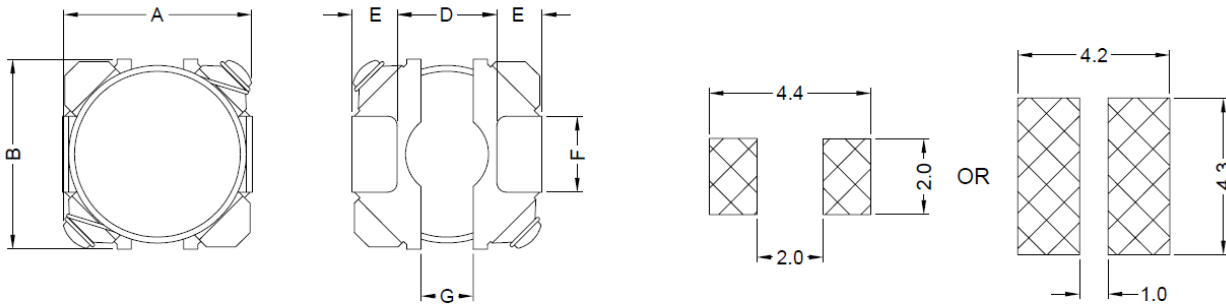
**SERIE:** PCF-U-4012 4,0 x 3,9 x 1,2 mm

## DIMENSIONS:

VPE: 3000 pcs.



RoHS Compliant

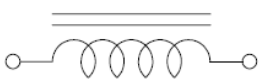


Recommended PCB Pattern

Unit:m/m

| A       | B       | C        | D        | E         | F        | G        |
|---------|---------|----------|----------|-----------|----------|----------|
| 4.0±0.2 | 3.9±0.2 | 1.2 Max. | 2.1 Typ. | 0.96 Typ. | 1.6 Typ. | 1.1 Typ. |

## SCHEMATIC:



## MATERIALS:

Core: Ferrite

## GENERAL SPECIFICATION :

1. IDC1: Based on inductance change ( $\Delta L/L_{0A}$  :  $\leq 30\%$  ) @ ambient temp. 25°C
2. IDC2: Based on temperature rise ( $\Delta T$ : 40°C Typ.)
3. Rated Current: IDC1 or IDC2, whichever value is lower
4. Storage temp. : -40°C.....+105°C
5. Operating temp.: -40°C.....+105°C ( include self temp. rise )
6. Resistance to solder heat : 260°C 10sec.

*NOTE : Specifications subject to change without notice. Please check our website for latest information*

# **SMD POWER INDUCTORS**

**SERIE:** PCF-U-4012 4,0 x 3,9 x 1,2 mm



## **ELECTRICAL CHARACTERISTICS**

| Part. No.           | Inductance<br>( $\mu$ H) |     | Test<br>Frequency<br>( Hz) | RDC<br>( $m\Omega$ )<br>±<br>20% | IDC<br>(A) | IDC<br>(2) |
|---------------------|--------------------------|-----|----------------------------|----------------------------------|------------|------------|
| PCF-U-4012 - 2R2SWE | 2,2                      | 30% | 0,1V / 100K                | 90                               | 2,00       | 1,50       |
| PCF-U-4012 - 3R3SWE | 3,3                      | 30% | 0,1V / 100K                | 130                              | 1,70       | 1,35       |

*NOTE : Specifications subject to change without notice. Please check our website for latest information.*