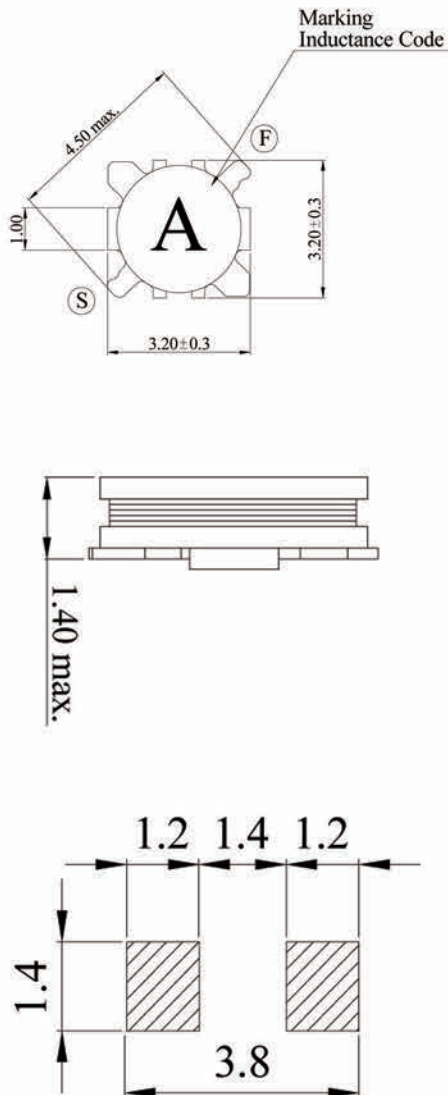




# 【YC3014-SERIES】

## DIMENSIONS & RECOMMENDED



Unit: mm

### ※ FEATURES

- Applications : DC to DC converters for cellular phone, LCD driver circuit

## SELECTION GUIDE FOR STANDARD COILS

| SDE<br>Part Number | Inductance | Tolerance | DC<br>Resistance | Inductance<br>Decrease Current | Temperature<br>Rise Current |
|--------------------|------------|-----------|------------------|--------------------------------|-----------------------------|
|                    | (μH)       | (%)       | (Ω)±20%          | (A) Max                        | (A) Max                     |
| YC3014 - 1R0M      | 1.0        | ± 20%     | 0.088            | 2.10                           | 1.70                        |
| YC3014 - 1R5M      | 1.5        | ± 20%     | 0.120            | 2.00                           | 1.40                        |
| YC3014 - 2R2M      | 2.2        | ± 20%     | 0.153            | 1.60                           | 1.30                        |
| YC3014 - 3R3M      | 3.3        | ± 20%     | 0.193            | 1.40                           | 1.20                        |
| YC3014 - 4R7M      | 4.7        | ± 20%     | 0.290            | 1.20                           | 0.90                        |
| YC3014 - 6R8M      | 6.8        | ± 20%     | 0.356            | 0.92                           | 0.80                        |
| YC3014 - 8R2M      | 8.2        | ± 20%     | 0.495            | 0.90                           | 0.65                        |
| YC3014 - 100M      | 10.0       | ± 20%     | 0.547            | 0.80                           | 0.60                        |
| YC3014 - 150M      | 15.0       | ± 20%     | 0.696            | 0.68                           | 0.55                        |
| YC3014 - 220M      | 22.0       | ± 20%     | 0.942            | 0.56                           | 0.45                        |
| YC3014 - 330M      | 33.0       | ± 20%     | 1.264            | 0.51                           | 0.40                        |
| YC3014 - 470M      | 47.0       | ± 20%     | 2.000            | 0.45                           | 0.30                        |
| YC3014 - 101M      | 100.0      | ± 20%     | 4.042            | 0.28                           | 0.20                        |

※ Marking : Inductance Code

※ GENERAL SPECIFICATION:

- $|\Delta L/L_{0A}| \leq 10\%$ ,  $\Delta L = L_{IDC} - L_{0A}$   
or  $\Delta T \leq 40^\circ\text{C}$  rise at IDC.
- Operating temperature :  $-40^\circ\text{C} \sim +85^\circ\text{C}$
- Resistance to solder heat :  $260^\circ\text{C}$  . 10 SEC.
- Test Freq. : 100KHz / 0.1V.