

■特征 / Features

- 闭磁路 小型低背功率电感  
Shielded power inductors.  
6.0mm × 6.0mm (Typ) × h2.0mm (Max)
- 闭磁路结构 低噪音, 少漏磁  
Low noise and flux by closed magnetic path structure.

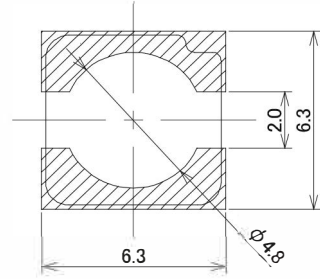
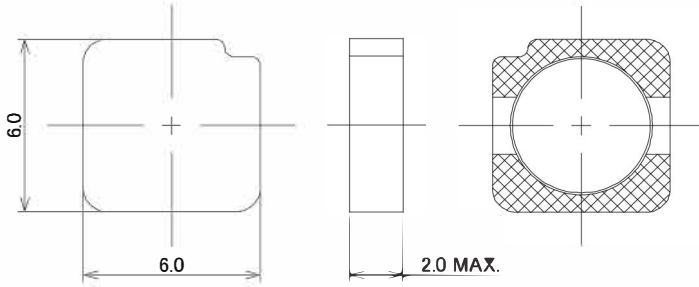
■应用 / Applications

- 手机, 液晶显示屏等  
DC/DC转换器用  
DC/DCconverters for  
Cellular phones, LCD Panel and others.

■外形尺寸·焊盘模式 / Dimensions·Land Pattern

(Unit : mm)

Recommended Land Pattern (Unit : mm)



■规格 / Specifications

| 系列<br>Series | 品名型号<br>Part number | 电感量 L [ $\mu$ H]<br>Inductance *(1) | 直流阻抗 Rdc [ $\Omega$ ]<br>DC resistance *(2) | 额定电流 Idc1 / Idc2 [A]<br>Rated current *(3) | 使用温度范围 Ta [ $^{\circ}$ C]<br>Operating temperature range *(4) |
|--------------|---------------------|-------------------------------------|---|--|---|
| MIB6020-W    | MIB6020M-2R2W       | 2.2 $\pm$ 30%                       | 0.030                                       | 4.34 / 3.72                                | -40 $^{\circ}$ C ~ 125 $^{\circ}$ C                           |
|              | MIB6020M-3R3W       | 3.3 $\pm$ 30%                       | 0.036                                       | 3.49 / 3.36                                |   |
|              | MIB6020M-4R7W       | 4.7 $\pm$ 30%                       | 0.055                                       | 2.91 / 2.53                                |   |
|              | MIB6020M-6R8W       | 6.8 $\pm$ 20%                       | 0.083                                       | 2.43 / 2.06                                |   |
|              | MIB6020M-100W       | 10.0 $\pm$ 20%                      | 0.11  | 2.07 / 1.81                                |   |
|              | MIB6020M-150W       | 15.0 $\pm$ 20%                      | 0.15  | 1.76 / 1.53                                |   |
|              | MIB6020M-220W       | 22.0 $\pm$ 20%                      | 0.22  | 1.43 / 1.27                                |   |
|              | MIB6020M-470W       | 47.0 $\pm$ 20%                      | 0.45  | 0.93 / 0.87                                |   |

(1)Ta=25 $^{\circ}$ C, Idc=0A (2)Ta=25 $^{\circ}$ C  
 \*Note: (3)Idc1:电感变化率 Inductance change ratio  $|\Delta L/L| \leq 30\%$ , Idc2:温度上升 Temperature rise  $\Delta T \leq 40^{\circ}$ C  
 (4)包括自温上升 Including self temperature rise

(代表值/Typical) / Typical)

■直流叠加特性 / DC bias current characteristics

