

■特征/Features

- 闭磁路 小型低背功率电感
Shielded, small foot print and low profile power inductors.
4.0mm × 4.0mm(Typ) × h1.2mm(Max)
- 闭磁路结构 低噪音, 少漏磁
Low noise and flux by closed magnetic path structure.

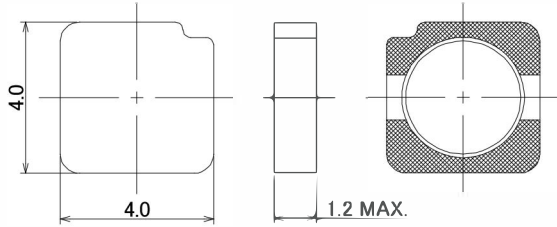
■应用/Applications

- 手机, 液晶显示屏等
DC/DC转换器用
DC/DC converters 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 Series	品名型号 Part number	电感量 L [μ H] Inductance *(1)	直流阻抗 Rdc [Ω] DC resistance *(2)	额定电流 Idc1 / Idc2 [A] Rated current *(3)	使用温度范围 Ta [$^{\circ}$ C] Operating temperature range *(4)
MIB4012-W	MIB4012M-1R0W	1.0 \pm 50%	0.045	3.02 / 2.59	-40 $^{\circ}$ C ~ 125 $^{\circ}$ C
	MIB4012M-2R2W	2.2 \pm 20%	0.070	2.26 / 2.07	
	MIB4012M-3R3W	3.3 \pm 20%	0.093	1.87 / 1.79	
	MIB4012M-4R7W	4.7 \pm 20%	0.13	1.53 / 1.45	
	MIB4012M-6R8W	6.8 \pm 20%	0.18	1.32 / 1.26	
	MIB4012M-100W	10.0 \pm 20%	0.24	1.12 / 1.04	
	MIB4012M-150W	15.0 \pm 20%	0.37	0.88 / 0.82	
	MIB4012M-220W	22.0 \pm 20%	0.55	0.74 / 0.67	

(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)

■直流叠加特性/DC bias current characteristics

