

■特征/Features

·闭磁路 小型低背功率电感

Shielded, small foot print and low profile power inductors.

6.0mm × 6.0mm (Typ) × h4.0mm (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

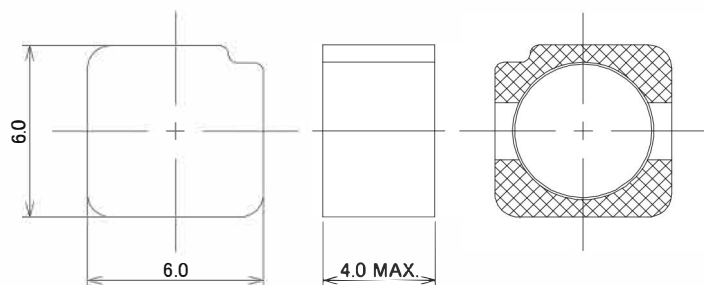
DC/DC转换器用

DC/DC converters for

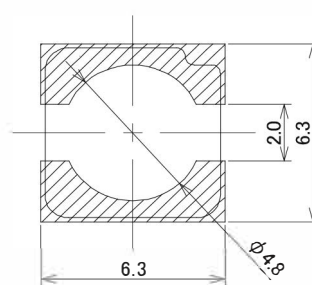
Cellular phones, LCD Pannel and others.

■外形尺寸・焊盘模式一/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)
MIB6040-W	MIB6040M-1R0W	1.0 $\pm$ 30%	0.010	9.10 / 6.82	-40 $^{\circ}$ C ~ 125 $^{\circ}$ C
	MIB6040M-2R2W	2.2 $\pm$ 30%	0.015	6.32 / 5.35	
	MIB6040M-3R3W	3.3 $\pm$ 30%	0.018	5.08 / 4.92	
	MIB6040M-4R7W	4.7 $\pm$ 30%	0.022	4.43 / 4.58	
	MIB6040M-6R8W	6.8 $\pm$ 30%	0.027	3.55 / 4.11	
	MIB6040M-100W	10.0 $\pm$ 20%	0.034	3.17 / 3.56	
	MIB6040M-150W	15.0 $\pm$ 20%	0.057	2.78 / 2.89	
	MIB6040M-220W	22.0 $\pm$ 20%	0.093	1.94 / 2.09	
	MIB6040M-330W	33.0 $\pm$ 20%	0.13	1.52 / 1.75	
	MIB6040M-470W	47.0 $\pm$ 20%	0.16	1.40 / 1.62	
	MIB6040M-101W	100.0 $\pm$ 20%	0.29	1.02 / 1.21	

(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)

■直流叠加特性/DC bias current characteristics

