

HC系列功率電感 HC Series SMD Power Inductors

• 特征 FEATURES

- 超薄
- 屏蔽結構
- 適合于表面貼裝
- Low profile.
- Magnetic shielded.
- SMT type.



• 應用 APPLICATIONS

- 移動通信
- 筆記本電腦
- DC/DC轉換
- Portable communication equipment
- Notebook computer
- DC/DC converters

• 產品規格型號的表示方法 ORDERING CODE

$\frac{HC}{①}$ $\frac{63}{②}$ - $\frac{R33}{③}$ $\frac{M}{④}$ $\frac{T}{⑤}$

①

產品代號 Product Code	
HC	HC系列 功率電感

②

規格尺寸(L×W×T) (mm) Dimensions	
63	6.85×6.5×3.0
65	6.85×6.5×5.0
125	13.2×12.6×5.0

③

感量(μH) Inductance	
R33	0.33 μH
1R0	1.00 μH
100	10.0 μH

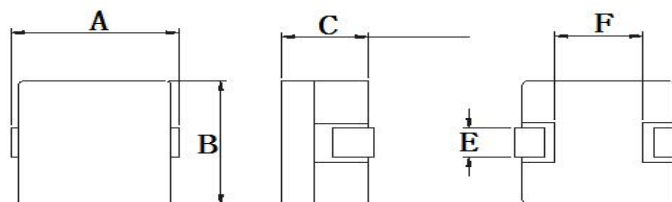
④

誤差 Tolerance	
K	±10%
M	±20%

⑤

包裝方式 Packaging Style	
T	卷帶盤裝 Tape & Reel
B	散裝 Bulk

• 外形尺寸 SHAPE AND DIMENSIONS



Part No.	A	B	C	E	F
HC63	6.85±0.5	6.5±0.25	3.0±0.3	1.2	2.2
HC65	6.85±0.5	6.5±0.25	5.0±0.3	1.2	2.2
HC125	13.2±0.5	12.6±0.3	6.5 Max	3.0	5.8

• 電性能參數 ELECTRICAL CHARACTERISTICS

HC63 Series

型號 Part Number	電感量 L (μH)	公差 Tolerance	測試頻率 Test Freq.	直流電阻 DCR(Ω)Max	Isat(A)
HC63-R47MT	0.47	±20%	100kHz	0.007	25
HC63-R68MT	0.68	±20%	100kHz	0.009	16
HC63-R82MT	0.82	±20%	100kHz	0.011	15
HC63-1R0MT	1.00	±20%	100kHz	0.014	10

Isat: 飽和電流，加Isat時，電感值相對公稱值下降 ≤ 20%

Isat: Saturation Current, the current when the inductance becomes 20% lower than its initial value.

HC65 Series

型號 Part Number	電感量 L (μH)	公差 Tolerance	測試頻率 Test Freq.	直流電阻 DCR(Ω)Max	Isat(A)
HC65-R68MT	0.68	±20%	100kHz	0.0065	17
HC65-R82MT	0.82	±20%	100kHz	0.0075	16
HC65-1R0MT	1.0	±20%	100kHz	0.0090	15
HC65-1R5MT	1.5	±20%	100kHz	0.0120	8
HC65-2R2MT	2.2	±20%	100kHz	0.0156	7

Isat: 飽和電流，加Isat時，電感值相對初始值下降 ≤ 20%

Isat: Saturation Current, the current when the inductance becomes 20% lower than its initial value.

HC125 Series

型號 Part Number	電感量 L (μH)	公差 Tolerance	測試頻率 Test Freq.	直流電阻 DCR(Ω)Max	Isat(A)
HC125-1R5MT	1.5	±20%	100kHz	0.0048	20
HC125-1R8MT	1.8	±20%	100kHz	0.0048	20
HC125-2R2MT	2.2	±20%	100kHz	0.0055	18
HC125-3R3MT	3.3	±20%	100kHz	0.0060	16

Isat: 飽和電流，加Isat時，電感值相對初始值下降 ≤ 20%

Isat: Saturation Current, the current when the inductance becomes 20% lower than its initial value.