

## LPC1704 SERIES

Ultra Super Low Profile Power Inductors.

### FEATURES

1. Excellent solder ability and high heat resistance.
2. They are characterized by low profile, low DC resistance and high current handling capacities.
3. It has high Q value at high frequency and high self response frequency.

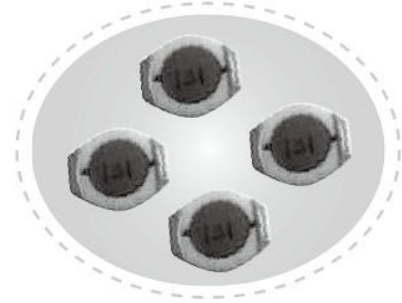
### APPLICATIONS

Excellent as DC-DC Converter used in notebooks PC、PDA and mobile hand-phones、Step-down converters, flash memory.

### ORDERING CODE (標志示例)

LPC 1704 - 101 M  
 (1) (2) (3) (4)

- (1) Type 類型  
 (2) Dimension 尺寸  
 (3) Inductance 電感量  
 (4) Inductance Tolerance 電感量公差 M: ±20%



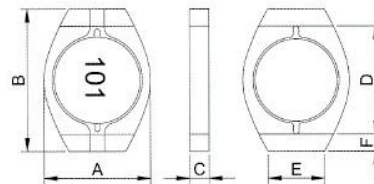
### 特徵

1. 絕佳的焊錫性及耐熱性。
2. 薄型結構并擁有低直流阻抗與高耐電流之特性。
3. 在高頻擁用高品質系數及高自我共振頻率之特性。

### 應用

適用於筆記型電腦、個人數位助理及行動電話中的直流-直流整流器、增壓或降壓整流器及快閃記憶體。

### SHAPE AND DIMENSIONS (形狀尺寸)



Unit: mm

TYPE	A	B	C	D	E	F
LPC1704	5.5 max.	6.6 max.	1.2 max.	4.9 ref.	2.5 ref.	0.75 ref.

## LPC1704 SERIES

Part No. 品名	Inductance ( $\mu$ H) 電感量	Test Frequency (KHz) 測試頻率	SRF(MHz) (Min) 自諧頻率 (最小)	D.C.R( $\Omega$ ) (Max.) 直流電阻(最大)	Rated Current(A) (Max) 額定電流(最大)
LPC 1704-1R2M	1.2 $\mu$ H $\pm$ 20%	100KHz	190	0.08	1.70
LPC 1704-1R5M	1.5 $\mu$ H $\pm$ 20%	100KHz	140	0.10	1.50
LPC 1704-2R2M	2.2 $\mu$ H $\pm$ 20%	100KHz	115	0.12	1.40
LPC 1704-3R3M	3.3 $\mu$ H $\pm$ 20%	100KHz	90	0.16	1.20
LPC 1704-4R7M	4.7 $\mu$ H $\pm$ 20%	100KHz	88	0.20	1.10
LPC 1704-6R8M	6.8 $\mu$ H $\pm$ 20%	100KHz	66	0.32	0.85
LPC 1704-100M	10 $\mu$ H $\pm$ 20%	100KHz	55	0.41	0.75
LPC 1704-150M	15 $\mu$ H $\pm$ 20%	100KHz	42	0.55	0.60
LPC 1704-220M	22 $\mu$ H $\pm$ 20%	100KHz	38	0.85	0.52
LPC 1704-330M	33 $\mu$ H $\pm$ 20%	100KHz	29	1.30	0.42
LPC 1704-470M	47 $\mu$ H $\pm$ 20%	100KHz	22	1.80	0.36
LPC 1704-680M	68 $\mu$ H $\pm$ 20%	100KHz	18	2.50	0.30
LPC 1704-101M	100 $\mu$ H $\pm$ 20%	100KHz	14	3.50	0.26
LPC 1704-151M	150 $\mu$ H $\pm$ 20%	100KHz	12	5.00	0.21
LPC 1704-221M	220 $\mu$ H $\pm$ 20%	100KHz	10	7.00	0.18
LPC 1704-331M	330 $\mu$ H $\pm$ 20%	100KHz	8	15.0	0.13

□Tolerance: M: ±20%