

## SDS SERIES

### FEATURES

1. Low profile and shield very effective in space-conscious applications.
2. Low resistance and high energy storage.

### APPLICATIONS

Excellent as DC/DC converter used in notebook PC, PDA and mobile handphones, step-up or step-down.

### ORDERING CODE (标志示例)

SDS    0402T    IR0    M  
 (1)        (2)        (3)        (4)

- |                           |       |
|---------------------------|-------|
| (1). Type                 | 类型    |
| (2). Dimensions           | 尺寸    |
| (3). Inductance           | 电感量   |
| (4). Inductance Tolerance | 电感量公差 |

K: ±10% L: ±15% M: ±20% P: ±25% N: ±30%



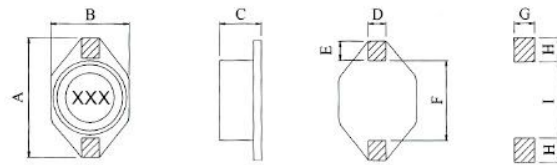
### 特征

1. 高度扁薄且具磁遮蔽，非常适合於有空间顾虑之应用。
2. 低电阻及高能量储存。

### 应用

绝佳的笔记型电脑、个人数位助理和行动电话中的直流-直流整流器、增压或降压整流器及快闪记忆。

### SHAPE AND DIMENSIONS (形状尺寸)



Unit:mm

TYPE	A	B	C	D	E	F	G	H	I
SDS0402T	6.6Max	4.45Max	2.92Max	1.27	1.0	4.32	2.64	1.14	4.57
SDS0804T	12.95Max	9.4Max	5.08Max	2.54	2.54	7.62	2.79	2.92	7.37
SDS1306T	18.54Max	15.24Max	7.11Max	2.54	2.54	12.7	2.79	2.92	12.45

## SDS0402T SERIES

Part No 品名	Inductance(μH) 电感量	Test Frequency(KHz) 测试频率	D.C.R(Max)(Ω) 直流电阻(最大)	Rated Current(A)(Max) 额定电流(最大)
SDS0402T-1R0M	1.0μH±20%	100KHz	0.052	3.00
SDS0402T-2R2M	2.2μH±20%	100KHz	0.065	1.80
SDS0402T-3R3M	3.3μH±20%	100KHz	0.072	1.60
SDS0402T-4R7M	4.7μH±20%	100KHz	0.078	1.40
SDS0402T-6R8M	6.8μH±20%	100KHz	0.085	1.20
SDS0402T-100M	10μH±20%	100KHz	0.098	1.00
SDS0402T-150M	15μH±20%	100KHz	0.117	0.80
SDS0402T-220M	22μH±20%	100KHz	0.221	0.70
SDS0402T-330M	33μH±20%	100KHz	0.247	0.60
SDS0402T-470M	47μH±20%	100KHz	0.349	0.50
SDS0402T-680M	68μH±20%	100KHz	0.552	0.40
SDS0402T-101M	100μH±20%	100KHz	0.785	0.30
SDS0402T-221M	220μH±20%	100KHz	1.640	0.22
SDS0402T-331M	330μH±20%	100KHz	2.470	0.20
SDS0402T-471M	470μH±20%	100KHz	3.700	0.19
SDS0402T-681M	680μH±20%	100KHz	5.700	0.18

□ Tolerance: K: ±10% L: ±15% M: ±20% P: ±25% N: ±30%



## SDS0804T SERIES

Part No 品名	Inductance( $\mu$ H) 电感量	Test Frequency(KHz) 测试频率	D.C.R(Max)( $\Omega$ ) 直流电阻(最大)	Rated Current(A)(Max) 额定电流(最大)
SDS0804T-1R0M	1.0 $\mu$ H $\pm$ 20%	100KHz	0.021	5.6
SDS0804T-1R5M	1.5 $\mu$ H $\pm$ 20%	100KHz	0.022	5.2
SDS0804T-2R2M	2.2 $\mu$ H $\pm$ 20%	100KHz	0.032	5.0
SDS0804T-3R3M	3.3 $\mu$ H $\pm$ 20%	100KHz	0.039	3.9
SDS0804T-4R7M	4.7 $\mu$ H $\pm$ 20%	100KHz	0.054	3.2
SDS0804T-6R8M	6.8 $\mu$ H $\pm$ 20%	100KHz	0.075	2.8
SDS0804T-100M	10 $\mu$ H $\pm$ 20%	100KHz	0.101	2.4
SDS0804T-150M	15 $\mu$ H $\pm$ 20%	100KHz	0.150	2.0
SDS0804T-220M	22 $\mu$ H $\pm$ 20%	100KHz	0.207	1.6
SDS0804T-330M	33 $\mu$ H $\pm$ 20%	100KHz	0.334	1.4
SDS0804T-470M	47 $\mu$ H $\pm$ 20%	100KHz	0.472	1.0
SDS0804T-560M	56 $\mu$ H $\pm$ 20%	100KHz	0.650	0.9
SDS0804T-680M	68 $\mu$ H $\pm$ 20%	100KHz	0.715	0.8

## SDS1306T SERIES

Part No 品名	Inductance( $\mu$ H) 电感量	Test Frequency(KHz) 测试频率	D.C.R(Max)( $\Omega$ ) 直流电阻(最大)	Rated Current(A)(Max) 额定电流(最大)
SDS1306T-100M	10 $\mu$ H $\pm$ 20%	100KHz	0.040	8.0
SDS1306T-150M	15 $\mu$ H $\pm$ 20%	100KHz	0.048	7.0
SDS1306T-220M	22 $\mu$ H $\pm$ 20%	100KHz	0.059	6.0
SDS1306T-330M	33 $\mu$ H $\pm$ 20%	100KHz	0.075	5.0
SDS1306T-470M	47 $\mu$ H $\pm$ 20%	100KHz	0.097	4.0
SDS1306T-680M	68 $\mu$ H $\pm$ 20%	100KHz	0.138	3.0
SDS1306T-101M	100 $\mu$ H $\pm$ 20%	100KHz	0.207	2.4
SDS1306T-151M	150 $\mu$ H $\pm$ 20%	100KHz	0.293	2.1
SDS1306T-221M	220 $\mu$ H $\pm$ 20%	100KHz	0.470	1.9
SDS1306T-331M	330 $\mu$ H $\pm$ 20%	100KHz	0.780	1.1
SDS1306T-471M	470 $\mu$ H $\pm$ 20%	100KHz	1.080	1.1
SDS1306T-681M	680 $\mu$ H $\pm$ 20%	100KHz	1.400	0.96
SDS1306T-102M	1000 $\mu$ H $\pm$ 20%	100KHz	2.010	0.80

□ Tolerance: K:  $\pm$ 10% L:  $\pm$ 15% M:  $\pm$ 20% P:  $\pm$ 25% N:  $\pm$ 30%