



SDR SERIES

Ultra Super Low Profile Power Inductors.

FEATURES

1. The SDR series has the unique feature of small profile for a power inductor.
2. The SDR series is well suited for a wide variety of flat profile gadgets.
3. Low DC resistance and for large currents.

APPLICATIONS

LCD driving circuits (DC-DC converters) such as notebook-sized personal computers, portable terminal equipment, game units etc.

ORDERING CODE (標志示例)

SDR 5012 100 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% |



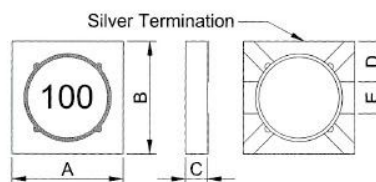
特徵

1. SDR系列是具扁薄外觀之獨特性的功率電感。
2. SDR系列非常適合應用於扁薄小巧的機件。
3. 適合低阻抗及大電流。

應用

適用於液晶顯示器驅動電路(直流-直流轉換器), 例如筆記型電腦、個人電腦、便攜式終端設備、遊戲卡等類型的產品。

SHAPE AND DIMENSIONS (形狀尺寸)



Unit: mm

TYPE	A	B	C	D	E
SDR5012	5.2 max.	5.2 max.	1.2 max.	1.5 ref.	2.0 ref.

SDR5012 SERIES

Part No. 品名	Inductance(μH) 電感量	Test Frequency(KHz) 測試頻率	D.C.R (Ω) (Max.) 直流電阻 (最大)	Rated Current(A)(Max) 額定電流(最大)
SDR 5012-R47M	0.47 μH ± 20%	100KHz	0.0246	3.190
SDR 5012-1R2M	1.2 μH ± 20%	100KHz	0.0366	2.620
SDR 5012-2R2M	2.2 μH ± 20%	100KHz	0.0747	1.830
SDR 5012-3R3M	3.3 μH ± 20%	100KHz	0.1043	1.550
SDR 5012-4R7M	4.7 μH ± 20%	100KHz	0.1177	1.460
SDR 5012-8R2M	8.2 μH ± 20%	100KHz	0.2399	1.020
SDR 5012-100M	10 μH ± 20%	100KHz	0.2844	0.938
SDR 5012-150M	15 μH ± 20%	100KHz	0.4089	0.782
SDR 5012-220M	22 μH ± 20%	100KHz	0.6388	0.628
SDR 5012-330M	33 μH ± 20%	100KHz	0.9289	0.519
SDR 5012-470M	47 μH ± 20%	100KHz	1.370	0.418
SDR 5012-680M	68 μH ± 20%	100KHz	2.160	0.341
SDR 5012-820M	82 μH ± 20%	100KHz	2.360	0.326
SDR 5012-101M	100 μH ± 20%	100KHz	2.640	0.308
SDR 5012-151M	150 μH ± 20%	100KHz	3.960	0.251
SDR 5012-221M	220 μH ± 20%	100KHz	4.760	0.229
SDR 5012-331M	330 μH ± 20%	100KHz	7.250	0.186
SDR 5012-471M	470 μH ± 20%	100KHz	8.950	0.167
SDR 5012-681M	680 μH ± 20%	100KHz	11.30	0.149
SDR 5012-821M	820 μH ± 20%	100KHz	14.93	0.129
SDR 5012-102M	1000 μH ± 20%	100KHz	17.20	0.121

□ Tolerance: M: ±20%