

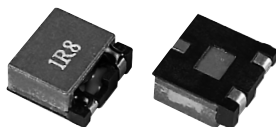
On-Board Type Coils / Chip Inductors



SMD Type Power Inductors SIC1205 Series

SIC1205 Series

Ultra High Current SMD Power Inductor



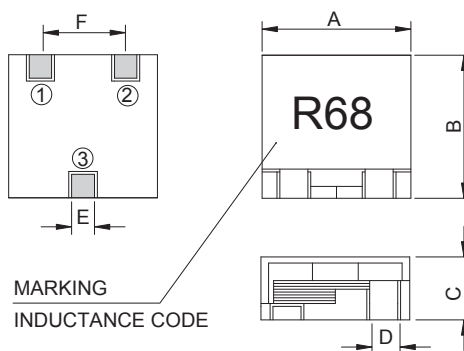
■ Features

- 1.Using the latest state of the art fine rectangular magnet wire construction.
- 2.Super low resistance, ultra high current rating.

■ Applications

Excellent for power line DC-DC conversion applications used in notebook computers and other handheld electronic equipment.

■ Dimensions



● 特徵

1. 應用最先進的工藝，微型矩形磁芯繞線結構。
2. 超低之電阻，絕高之額定電流。

● 應用

適合於筆記型電腦和其他掌上型電子設備中電源線路上直流對直流整流的應用。

Chip size						
Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
SIC1205	12.7±0.4	12.7±0.4	5.3±0.3	2.0±0.2	2.0±0.2	7.0±0.5

■ SIC 1205 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (mΩ) max.	I rms (A) max.	I sat1 (A) typ.	I sat2 (A) typ.
SIC 1205-R68M	0.68±20%	0.1V/100K	1.4	26.0	22.0	38.0
SIC 1205-1R2M	1.20±20%	0.1V/100K	2.3	20.0	16.0	30.0
SIC 1205-1R8M	1.80±20%	0.1V/100K	4.0	16.0	12.0	22.0
SIC 1205-2R7M	2.70±20%	0.1V/100K	5.0	14.0	10.0	18.0

Other non standard inductance value are available to meet your exact requirements

Note: 1.Inductance measured by LCR Meter HP 4294/HP4291 2.DCR measured by Milliohm meter CH502AC