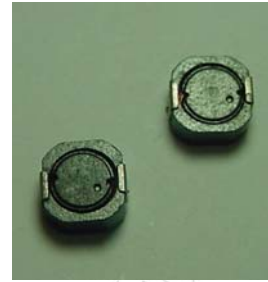


# SMD Power Inductors

## Features

- Low Profile.
- Ideal for a variety of DC-DC converter inductor applications.
- Magnetically shielded.
- Suitable for reflow soldering.



## Applications

- Mobile phone
- PDA

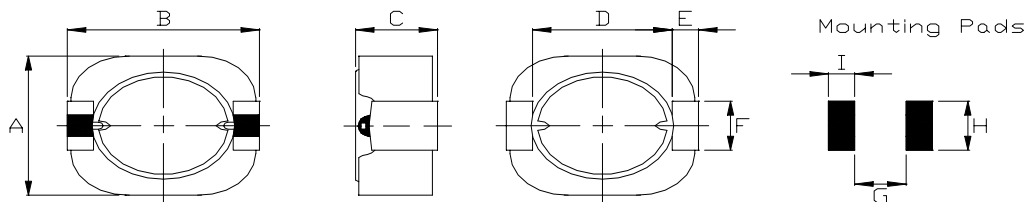
## Part Number Systems

**SIRHC – 63CB – 1R0 – M – LF**

(1)      (2)      (3)      (4)      (5)

(1)	Product series	(2)	Size
(3)	Inductance Value: 100 = 100uH	(4)	Inductance Tolerance: M = ± 20%, L = ±15%, K = ± 10%
(5)	ROHs Compliant		

## Shape And Dimensions



Unit: mm

Type	A (Max)	B (Max)	C (Max)	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.
63CB	6.2	6.3	3.5	4.8	0.6	2.0	4.6	2.6	1.0

## SMD Power Inductors

SIRHC-63CB-Series		ELECTRICAL CHARACTERISTICS				
Part Number	Inductance (uH)	Tolerance	L Test Frequency	Rdc (Ω) Max	Isat (A)	Irms (A)
SIRHC-63CB-2R0M-LF	2.0	M	100KHZ	0.0192	2.997	3.30
SIRHC-63CB-2R7M-LF	2.7	M	100KHZ	0.0219	2.691	3.12
SIRHC-63CB-3R3M-LF	3.3	M	100KHZ	0.0257	2.573	2.81
SIRHC-63CB-4R7M-LF	4.7	M	100KHZ	0.0316	2.084	2.51
SIRHC-63CB-6R2M-LF	6.2	M	100KHZ	0.0349	1.835	2.41
SIRHC-63CB-8R2M-LF	8.2	M	100KHZ	0.0434	1.542	2.11
SIRHC-63CB-100M-LF	10	M	100KHZ	0.0494	1.491	1.97
SIRHC-63CB-120M-LF	12	M	100KHZ	0.0644	1.282	1.73
SIRHC-63CB-150M-LF	15	M	100KHZ	0.0769	1.103	1.54
SIRHC-63CB-180M-LF	18	M	100KHZ	0.0815	1.046	1.52
SIRHC-63CB-220M-LF	22	M	100KHZ	0.1060	0.968	1.29
SIRHC-63CB-270M-LF	27	M	100KHZ	0.1404	0.821	1.11
SIRHC-63CB-330M-LF	33	M	100KHZ	0.1620	0.755	1.02
SIRHC-63CB-390M-LF	39	M	100KHZ	0.1908	0.700	0.96
SIRHC-63CB-470M-LF	47	M	100KHZ	0.2088	0.677	0.89
SIRHC-63CB-560M-LF	56	M	100KHZ	0.2568	0.602	0.80
SIRHC-63CB-680M-LF	68	M	100KHZ	0.3192	0.556	0.71
SIRHC-63CB-820M-LF	82	M	100KHZ	0.4188	0.468	0.61
SIRHC-63CB-101M-LF	100	M	100KHZ	0.4764	0.449	0.57
SIRHC-63CB-151M-LF	150	M	100KHZ	0.6636	0.367	0.48

\* All specifications are subjected to change without prior notice.