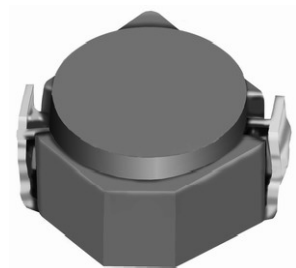


Type:SDRH6D23/HP
◆ Product Description

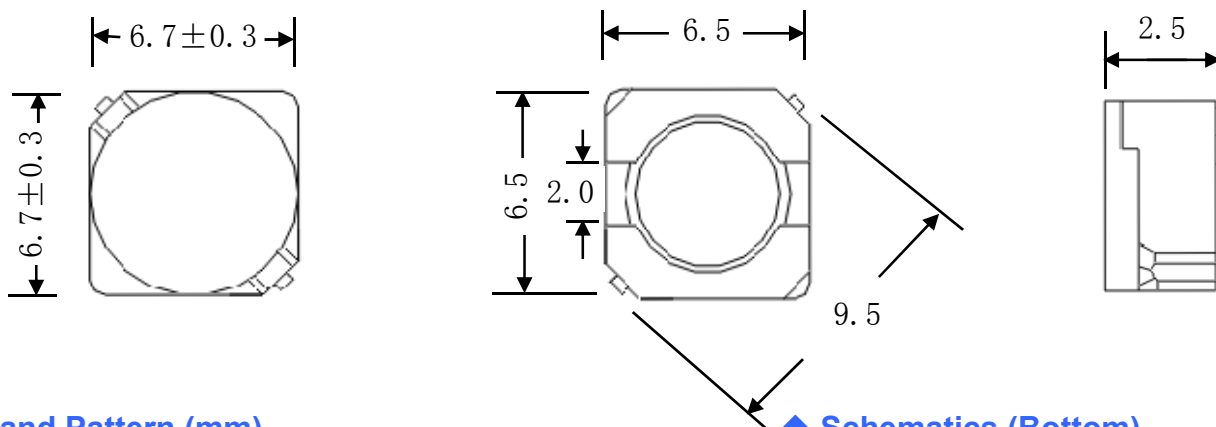
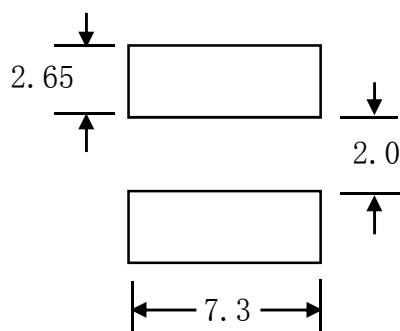
- 7.0×7.0mm Max.(L×W),2.5mm Max. Height.
- Inductance Range: 1.2~100μH
- Rated current range: 0.52~5.3A
- Custom design is available.


◆ Feature

- Magnetically shielded construction.
- Operating temperature range: -40℃~+105℃(Including coil's self temperature rise).
- Ideally used in MP3, PDA ,HDD,DSC/DVC,Notebook PC etc as DC-DC Converter inductors.
- RoHS Compliance.

◆ Application

- Notebook PC
- MP3
- PDA
- HDD
- DSC/DVC
- DC/DC converters, etc.

◆ Dimensions (mm)

◆ Land Pattern (mm)

◆ Schematics (Bottom)


1.2μH~8.2μH



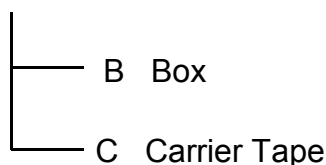
10μH~100μH

Type:SDRH6D23/HP
◆ Specification

Suntek Part Number	System code	Stamp	Inductance (μ H) 100kHz/1V	D.C.R. (m Ω) Max.(Typ.) (at 20℃)	Saturation Current(A)		Temperature Rise Current (A)
					at20℃	at 105℃	
SDRH6D23HP-1R2N□		1R2	1.2 $\pm$ 30%	15.4(12.3)	6.20	5.20	5.30
SDRH6D23HP-1R8N□		1R8	1.8 $\pm$ 30%	20.0(16.0)	5.00	4.30	4.70
SDRH6D23HP-2R2N□		2R2	2.2 $\pm$ 30%	23.8(19.2)	4.40	3.80	4.10
SDRH6D23HP-3R3N□		3R3	3.3 $\pm$ 30%	32.5(26.2)	4.05	3.35	3.30
SDRH6D23HP-4R7N□		4R7	4.7 $\pm$ 30%	42.5(34.4)	3.40	2.85	2.80
SDRH6D23HP-5R6N□		5R6	5.6 $\pm$ 30%	58.8(47.5)	3.20	2.65	2.30
SDRH6D23HP-6R8N□		6R8	6.8 $\pm$ 30%	68.8(55.0)	2.78	2.34	2.20
SDRH6D23HP-8R2N□		8R2	8.2 $\pm$ 30%	73.0(58.5)	2.65	2.24	2.10
SDRH6D23HP-100M□		100	10.0 $\pm$ 20%	102.5(82.0)	2.55	2.14	1.70
SDRH6D23HP-150M□		150	15.0 $\pm$ 20%	154.8(123.9)	2.10	1.80	1.40
SDRH6D23HP-220M□		220	22.0 $\pm$ 20%	217.5(173.8)	1.58	1.35	1.10
SDRH6D23HP-330M□		330	33.0 $\pm$ 20%	269.5(215.6)	1.37	1.16	1.00
SDRH6D23HP-470M□		470	47.0 $\pm$ 20%	395.0(316.0)	1.12	0.93	0.80
SDRH6D23HP-560M□		560	56.0 $\pm$ 20%	500.0(400.0)	0.97	0.83	0.75
SDRH6D23HP-680M□		680	68.0 $\pm$ 20%	574.5(459.8)	0.93	0.78	0.70
SDRH6D23HP-820M□		820	82.0 $\pm$ 20%	712.5(571.5)	0.82	0.70	0.60
SDRH6D23HP-101M□		101	100.0 $\pm$ 20%	875.8(700.7)	0.72	0.61	0.52

※ Description of part name

SDRH6D23HP-1R2M□



※1.Saturation Current: The DC current at which the inductance decreases to 65% of it's nominal value.

 ※2.Temperature rise current:The DC current at which the temperature rise is $\Delta t=40^{\circ}\text{C}$.($T_a=20^{\circ}\text{C}$).