Wire Wound SMD Power Inductors – SWRH – C Series

Operating temperature: -40°C ~+125°C (Including Self-heating)

FEATURES

- High saturation current, low DCR
- Suitable for surface mounting equipment
- Close magnetic circuit design reduce leakage

APPLICATIONS

- Power supply choke for small electrical equipments such as DVC, LCD display, notebook, communication equipment, OA equipment and so on.

PRODUCT IDENTIFICATION

1	2	3	4	5	6
SWRH	1003	C	-1R0	N	T

1

Type	
SWRH	Wire Wound SMD Type Power Inductors (With Metallic Base)

2

External Dimensions
1003~1005

3

Configuration	
C	C Type Base

4

Nominal Inductance	
Example	Nominal Value
1R0	1.0μH
100	10μH
101	100μH

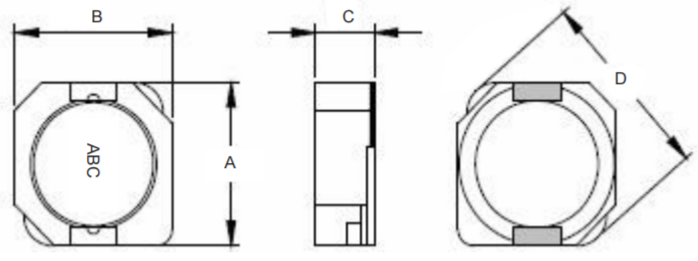
5

Inductance Tolerance	
M	±20%
N	±30%

6

Packing	
T	Tape Carrier Package

SHAPE AND DIMENSIONS



Series	A max.	B max.	C max.	D typ.	I typ.	J typ.	H typ.
SWRH1003C	10.6	10.5	3.0	13.5	1.7	7.3	3.6
SWRH1004C	10.6	10.5	4.0	13.5	1.7	7.3	3.6
SWRH1005C	10.6	10.5	5.2	13.5	1.7	7.3	3.6

Unit: mm

SPECIFICATIONS SWRH1003C TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
SWRH1003C-1R0NT	1.0±30%	100k, 0.3V	0.009	6.50
SWRH1003C-1R5NT	1.5±30%	100k, 0.3V	0.011	5.80
SWRH1003C-2R2NT	2.2±30%	100k, 0.3V	0.017	5.10
SWRH1003C-3R3NT	3.3±30%	100k, 0.3V	0.021	4.70
SWRH1003C-4R7NT	4.7±30%	100k, 0.3V	0.030	4.00
SWRH1003C-6R8NT	6.8±30%	100k, 0.3V	0.035	3.60
SWRH1003C-8R2NT	8.2±30%	100k, 0.3V	0.050	3.00
SWRH1003C-100MT	10±20%	1k, 0.3V	0.059	2.80
SWRH1003C-150MT	15±20%	1k, 0.3V	0.091	2.05
SWRH1003C-220MT	22±20%	1k, 0.3V	0.143	1.60
SWRH1003C-330MT	33±20%	1k, 0.3V	0.202	1.35
SWRH1003C-470MT	47±20%	1k, 0.3V	0.299	1.20
SWRH1003C-560MT	56±20%	1k, 0.3V	0.325	1.15
SWRH1003C-680MT	68±20%	1k, 0.3V	0.429	0.95
SWRH1003C-820MT	82±20%	1k, 0.3V	0.494	0.80
SWRH1003C-101MT	100±20%	1k, 0.3V	0.683	0.70
SWRH1003C-121MT	120±20%	1k, 0.3V	0.754	0.65
SWRH1003C-151MT	150±20%	1k, 0.3V	0.878	0.62
SWRH1003C-221MT	220±20%	1k, 0.3V	1.625	0.60
SWRH1003C-301MT	300±20%	1k, 0.3V	1.700	0.55
SWRH1003C-331MT	330±20%	1k, 0.3V	1.700	0.50
SWRH1003C-391MT	390±20%	1k, 0.3V	1.900	0.30
SWRH1003C-102MT	1000±20%	1k, 0.3V	4.500	0.23

SWRH1004C TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
SWRH1004C-1R5NT	1.5±30%	100k, 0.3V	0.008	6.5
SWRH1004C-2R5NT	2.5±30%	100k, 0.3V	0.011	6.1
SWRH1004C-3R3NT	3.3±30%	100k, 0.3V	0.014	5.6
SWRH1004C-3R8NT	3.8±30%	100k, 0.3V	0.018	5.5
SWRH1004C-4R7NT	4.7±30%	100k, 0.3V	0.022	5.4
SWRH1004C-5R2NT	5.2±30%	100k, 0.3V	0.022	5.4
SWRH1004C-6R8NT	6.8±30%	100k, 0.3V	0.025	5.0
SWRH1004C-7R0NT	7.0±30%	100k, 0.3V	0.027	4.5
SWRH1004C-8R2NT	8.2±30%	100k, 0.3V	0.030	4.1
SWRH1004C-100MT	10±20%	1k, 0.3V	0.035	3.8
SWRH1004C-150MT	15±20%	1k, 0.3V	0.050	3.1
SWRH1004C-220MT	22±20%	1k, 0.3V	0.073	2.5
SWRH1004C-330MT	33±20%	1k, 0.3V	0.093	2.2
SWRH1004C-470MT	47±20%	1k, 0.3V	0.128	1.9
SWRH1004C-560MT	56±20%	1k, 0.3V	0.185	1.6
SWRH1004C-680MT	68±20%	1k, 0.3V	0.213	1.42
SWRH1004C-820MT	82±20%	1k, 0.3V	0.275	1.32
SWRH1004C-101MT	100±20%	1k, 0.3V	0.304	1.25
SWRH1004C-151MT	150±20%	1k, 0.3V	0.506	0.85
SWRH1004C-221MT	220±20%	1k, 0.3V	0.756	0.70
SWRH1004C-331MT	330±20%	1k, 0.3V	1.090	0.52

SPECIFICATIONS SWRH1005C TYPE

Part Number	Inductance	L Test Condition	Max. DC Resistance	Max. Rated Current
Units	μH	Hz, V	Ω	A
Symbol	L	-	DCR	Ir
SWRH1005C-3R3NT	3.3±30%	100k, 0.3V	0.013	6.00
SWRH1005C-4R7NT	4.7±30%	100k, 0.3V	0.016	5.70
SWRH1005C-6R8NT	6.8±30%	100k, 0.3V	0.020	5.35
SWRH1005C-8R2NT	8.2±30%	100k, 0.3V	0.023	5.00
SWRH1005C-100MT	10±20%	1k, 0.3V	0.026	4.45
SWRH1005C-120MT	12±20%	1k, 0.3V	0.033	3.80
SWRH1005C-150MT	15±20%	1k, 0.3V	0.041	3.40
SWRH1005C-180MT	18±20%	1k, 0.3V	0.046	3.10
SWRH1005C-220MT	22±20%	1k, 0.3V	0.061	2.90
SWRH1005C-270MT	27±20%	1k, 0.3V	0.069	2.60
SWRH1005C-330MT	33±20%	1k, 0.3V	0.084	2.40
SWRH1005C-390MT	39±20%	1k, 0.3V	0.106	2.25
SWRH1005C-470MT	47±20%	1k, 0.3V	0.130	2.00
SWRH1005C-560MT	56±20%	1k, 0.3V	0.149	1.90
SWRH1005C-680MT	68±20%	1k, 0.3V	0.201	1.60
SWRH1005C-820MT	82±20%	1k, 0.3V	0.227	1.45
SWRH1005C-101MT	100±20%	1k, 0.3V	0.253	1.35
SWRH1005C-121MT	120±20%	1k, 0.3V	0.303	1.18
SWRH1005C-151MT	150±20%	1k, 0.3V	0.370	1.10
SWRH1005C-181MT	180±20%	1k, 0.3V	0.419	1.00
SWRH1005C-221MT	220±20%	1k, 0.3V	0.500	0.94
SWRH1005C-271MT	270±20%	1k, 0.3V	0.672	0.80
SWRH1005C-331MT	330±20%	1k, 0.3V	0.812	0.73
SWRH1005C-391MT	390±20%	1k, 0.3V	0.953	0.70
SWRH1005C-471MT	470±20%	1k, 0.3V	1.290	0.54
SWRH1005C-561MT	560±20%	1k, 0.3V	1.430	0.52
SWRH1005C-681MT	680±20%	1k, 0.3V	1.600	0.51
SWRH1005C-821MT	820±20%	1k, 0.3V	1.770	0.48

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