

绕线贴片功率电感—SWRB-A 系列

Wire Wound SMD Power Inductor—SWRB-A Series



工作温度 Operating Temp

- ◆ -40°C ~+105°C (Including self-heating)

特征 Features

- ◆ 高额定电流, 低 DCR
- ◆ 适合表面贴装
- ◆ 闭合磁路结构设计, 减少漏磁
- ◆ High rated current, low DCR
- ◆ Suitable for surface mounting equipment
- ◆ Close magnetic circuit design reduce leakage

用途 Applications

- ◆ 用于安防、仪器仪表等工业电子和 TV、路由器、游戏机等消费电子的滤波、DC/DC 转换、去耦。
- ◆ Used for filtering, DC/DC conversion, and decoupling in industrial electronics such as security and instrumentation, as well as consumer electronics such as TVs, routers, and game consoles.

产品型号 Product Identification

1

SWRB

2

1205

3

A

4

-6R8

5

N

6

T

1

分类 Type

SWRB

绕线贴片功率电感
Wire Wound SMD Type
Power Inductor (With
Plastic Base)

2

外形尺寸
External Dimensions

0703~1207

3

结构 Configuration

A

A Type Base

4

公称电感量 Nominal Inductance

Example

Nominal Value

6R86.8μH

10010μH

101100μH

5

电感公差 Inductance Tolerance

M

±20%

N

±30%

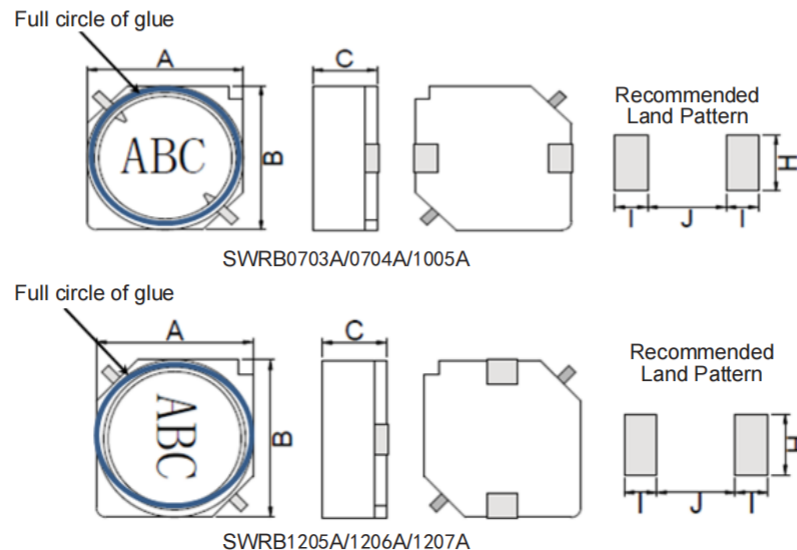
6

包装 Packing

T

编带 Tape Carrier Package

外观尺寸 Shape and Dimensions



外观尺寸

Shape and Dimensions

Unit: mm

Series	A max.	B max.	C max.	I typ.	J typ.	H typ.
SWRB0703A	7.6	7.6	3.5	1.5	4.9	2.0
SWRB0704A	7.6	7.6	4.8	1.5	4.9	2.0
SWRB1005A	10.5	10.5	5.0	2.0	6.4	3.0
SWRB1205A	12.8	12.8	5.8	2.0	8.3	3.0
SWRB1206A	12.8	12.8	6.8	2.0	8.3	3.0
SWRB1207A	12.8	12.8	7.8	2.0	8.3	3.0

规格特性

Specifications

SWRB0703A TYPE

型号 Part Number	电感量 Inductance	L 测试条件 L Test Condition	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	Hz, V	Ω	A
符号 Symbol	L	-	DCR	Ir
SWRB0703A-3R3NT	3.3±30%	100k, 0.3V	0.028	1.90
SWRB0703A-4R7NT	4.7±30%	100k, 0.3V	0.043	1.70
SWRB0703A-6R8NT	6.8±30%	100k, 0.3V	0.049	1.60
SWRB0703A-8R2NT	8.2±30%	100k, 0.3V	0.059	1.50
SWRB0703A-100MT	10±20%	1k, 0.3V	0.064	1.40
SWRB0703A-150MT	15±20%	1k, 0.3V	0.090	1.10
SWRB0703A-220MT	22±20%	1k, 0.3V	0.132	0.96
SWRB0703A-330MT	33±20%	1k, 0.3V	0.192	0.75
SWRB0703A-470MT	47±20%	1k, 0.3V	0.288	0.67
SWRB0703A-680MT	68±20%	1k, 0.3V	0.372	0.59
SWRB0703A-820MT	82±20%	1k, 0.3V	0.455	0.52
SWRB0703A-151MT	150±20%	1k, 0.3V	0.780	0.37
SWRB0703A-221MT	220±20%	1k, 0.3V	1.260	0.29
SWRB0703A-331MT	330±20%	1k, 0.3V	2.004	0.22
SWRB0703A-471MT	470±20%	1k, 0.3V	2.460	0.20

SWRB0704A TYPE

型号 Part Number	电感量 Inductance	L 测试条件 L Test Condition	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	Hz, V	Ω	A
符号 Symbol	L	-	DCR	Ir
SWRB0704A-3R3NT	3.3±30%	100k, 0.3V	0.024	2.30
SWRB0704A-4R7NT	4.7±30%	100k, 0.3V	0.036	2.00
SWRB0704A-6R8NT	6.8±30%	100k, 0.3V	0.047	1.70
SWRB0704A-6R8MT	6.8±20%	100k, 0.3V	0.047	1.70
SWRB0704A-8R2NT	8.2±30%	100k, 0.3V	0.051	1.50
SWRB0704A-100MT	10±20%	1k, 0.3V	0.055	1.30
SWRB0704A-150MT	15±20%	1k, 0.3V	0.062	1.10
SWRB0704A-220MT	22±20%	1k, 0.3V	0.073	0.90
SWRB0704A-330MT	33±20%	1k, 0.3V	0.115	0.82
SWRB0704A-470MT	47±20%	1k, 0.3V	0.150	0.75
SWRB0704A-680MT	68±20%	1k, 0.3V	0.210	0.60
SWRB0704A-820MT	82±20%	1k, 0.3V	0.260	0.55
SWRB0704A-101MT	100±20%	1k, 0.3V	0.300	0.50
SWRB0704A-151MT	150±20%	1k, 0.3V	0.408	0.40
SWRB0704A-221MT	220±20%	1k, 0.3V	0.624	0.33
SWRB0704A-331MT	330±20%	1k, 0.3V	0.888	0.25
SWRB0704A-471MT	470±20%	1k, 0.3V	1.260	0.22
SWRB0704A-681MT	680±20%	1k, 0.3V	1.776	0.20
SWRB0704A-102MT	1000±20%	1k, 0.3V	3.300	0.18

规格特性 Specifications

SWRB1005A TYPE

型号 Part Number	电感量 Inductance	L 测试条件 L Test Condition	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	Hz, V	Ω	A
符号 Symbol	L	-	DCR	Ir
SWRB1005A-100MT	10 ± 20%	1k, 0.3V	0.044	3.00
SWRB1005A-150MT	15 ± 20%	1k, 0.3V	0.057	2.40
SWRB1005A-220MT	22 ± 20%	1k, 0.3V	0.071	2.10
SWRB1005A-330MT	33 ± 20%	1k, 0.3V	0.098	1.60
SWRB1005A-470MT	47 ± 20%	1k, 0.3V	0.140	1.40
SWRB1005A-680MT	68 ± 20%	1k, 0.3V	0.170	1.20
SWRB1005A-820MT	82 ± 20%	1k, 0.3V	0.210	1.10
SWRB1005A-101MT	100 ± 20%	1k, 0.3V	0.240	1.00
SWRB1005A-151MT	150 ± 20%	1k, 0.3V	0.420	0.79
SWRB1005A-221MT	220 ± 20%	1k, 0.3V	0.560	0.65
SWRB1005A-331MT	330 ± 20%	1k, 0.3V	0.820	0.54
SWRB1005A-471MT	470 ± 20%	1k, 0.3V	1.240	0.47
SWRB1005A-681MT	680 ± 20%	1k, 0.3V	1.920	0.38

SWRB1205A TYPE

型号 Part Number	电感量 Inductance	L 测试条件 L Test Condition	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	Hz, V	Ω	A
符号 Symbol	L	-	DCR	Ir
SWRB1205A-6R8NT	6.8 ± 30%	100k, 0.3V	0.023	3.60
SWRB1205A-8R2NT	8.2 ± 30%	100k, 0.3V	0.025	3.50
SWRB1205A-100MT	10 ± 20%	1k, 0.3V	0.026	3.40
SWRB1205A-150MT	15 ± 20%	1k, 0.3V	0.031	2.80
SWRB1205A-220MT	22 ± 20%	1k, 0.3V	0.041	2.30
SWRB1205A-330MT	33 ± 20%	1k, 0.3V	0.050	1.90
SWRB1205A-470MT	47 ± 20%	1k, 0.3V	0.074	1.60
SWRB1205A-680MT	68 ± 20%	1k, 0.3V	0.101	1.30
SWRB1205A-820MT	82 ± 20%	1k, 0.3V	0.125	1.20
SWRB1205A-101MT	100 ± 20%	1k, 0.3V	0.140	1.10
SWRB1205A-151MT	150 ± 20%	1k, 0.3V	0.228	0.88
SWRB1205A-221MT	220 ± 20%	1k, 0.3V	0.324	0.72
SWRB1205A-331MT	330 ± 20%	1k, 0.3V	0.492	0.59
SWRB1205A-331MTC01	330 ± 20%	1k, 0.3V	0.492	0.59
SWRB1205A-471MT	470 ± 20%	1k, 0.3V	0.624	0.49
SWRB1205A-681MT	680 ± 20%	1k, 0.3V	0.912	0.43

SWRB1206A TYPE

型号 Part Number	电感量 Inductance	L 测试条件 L Test Condition	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	Hz, V	Ω	A
符号 Symbol	L	-	DCR	Ir
SWRB1206A-2R0NT	2.0 ± 30%	100k, 0.3V	0.014	6.20
SWRB1206A-2R2NT	2.2 ± 30%	100k, 0.3V	0.016	5.50
SWRB1206A-4R2NT	4.2 ± 30%	100k, 0.3V	0.018	5.50
SWRB1206A-4R7NT	4.7 ± 30%	100k, 0.3V	0.018	5.20
SWRB1206A-6R8NT	6.8 ± 30%	100k, 0.3V	0.021	5.00
SWRB1206A-8R2NT	8.2 ± 30%	100k, 0.3V	0.022	4.90
SWRB1206A-100MT	10 ± 20%	1k, 0.3V	0.024	4.80
SWRB1206A-150MT	15 ± 20%	1k, 0.3V	0.028	4.20
SWRB1206A-220MT	22 ± 20%	1k, 0.3V	0.038	3.50
SWRB1206A-330MT	33 ± 20%	1k, 0.3V	0.049	2.80
SWRB1206A-390MT	39 ± 20%	1k, 0.3V	0.062	2.50

规格特性

Specifications

SWRB1206A TYPE

型号 Part Number	电感量 Inductance	L 测试条件 L Test Condition	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	Hz, V	Ω	A
符号 Symbol	L	-	DCR	Ir
SWRB1206A-470MT	47±20%	1k, 0.3V	0.069	2.40
SWRB1206A-680MT	68±20%	1k, 0.3V	0.094	2.00
SWRB1206A-820MT	82±20%	1k, 0.3V	0.120	1.80
SWRB1206A-101MT	100±20%	1k, 0.3V	0.148	1.60
SWRB1206A-221MT	220±20%	1k, 0.3V	0.328	1.00

SWRB1207A TYPE

型号 Part Number	电感量 Inductance	L 测试条件 L Test Condition	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	Hz, V	Ω	A
符号 Symbol	L	-	DCR	Ir
SWRB1207A-1R2NT	1.2±30%	100k, 0.3V	0.008	8.20
SWRB1207A-2R7NT	2.7±30%	100k, 0.3V	0.011	7.00
SWRB1207A-3R9NT	3.9±30%	100k, 0.3V	0.012	6.70
SWRB1207A-5R6NT	5.6±30%	100k, 0.3V	0.014	6.30
SWRB1207A-6R8NT	6.8±30%	100k, 0.3V	0.015	5.90
SWRB1207A-150MT	15±20%	1k, 0.3V	0.022	4.70
SWRB1207A-220MT	22±20%	1k, 0.3V	0.032	4.00
SWRB1207A-330MT	33±20%	1k, 0.3V	0.047	3.20
SWRB1207A-470MT	47±20%	1k, 0.3V	0.063	2.70
SWRB1207A-680MT	68±20%	1k, 0.3V	0.093	2.00
SWRB1207A-101MT	100±20%	1k, 0.3V	0.150	1.90
SWRB1207A-151MT	150±20%	1k, 0.3V	0.210	1.50
SWRB1207A-221MT	220±20%	1k, 0.3V	0.310	1.30