

承认书
Specification客户名称:
Customer Name:规格书编号:
Specification NO :

SDR Series Rev:A

客户品名:
Product P/N :信鸿品名:
Shinhom's P/N :变更履历:
Revised record:

Rev.	Effective Date	Changed Contents	Change reasons	Approved by
A	Sep-01-2016	New released		Paul

客户承认栏（请签名并写明日期后回传）

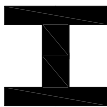
陕西信鸿磁业科技有限公司

Customer's Approval

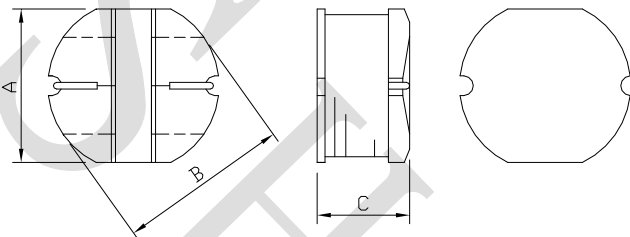
Confirmed	Checked	Prepared

Type Name:SDR Series

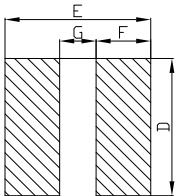
Construction/磁气构造图



Dimensions/外形尺寸图(Unit:mm)



Land patterns/贴装尺寸



Shape and Size:(Dimensions are in mm)

Type Name/型名	A	B	C	D	E	F	G	QTY(MPQ) pcs/reel 最小包装数 (个/盘)
SDR0301	3.0±0.3	3.5±0.3	1.6±0.30	3.2REF	3.5REF	1.25REF	1.0REF	3500
SDR0302	3.0±0.3	3.5±0.3	2.1±0.30	3.2REF	3.5REF	1.25REF	1.0REF	3000
SDR0402	4.0±0.3	4.5±0.3	2.0±0.30	4.2REF	4.5REF	1.75REF	1.0REF	3000
SDR0403	4.0±0.3	4.5±0.3	3.2±0.30	4.5REF	5.0REF	1.75REF	1.5REF	2000
SDR0503	5.2±0.3	5.8±0.3	3.0±0.35	5.5REF	6.0REF	2.15REF	1.7REF	2000
SDR0504	5.2±0.3	5.8±0.3	4.5±0.35	5.5REF	6.0REF	2.15REF	1.7REF	1500
SDR0703	7.0±0.3	7.8±0.3	3.5±0.50	7.5REF	8.0REF	3.00REF	2.0REF	1000
SDR0705	7.0±0.3	7.8±0.3	5.0±0.50	7.5REF	8.0REF	3.00REF	2.0REF	1000
SDR1004	9.0±0.4	10±0.4	4.0±0.40	9.5REF	10.0REF	3.75REF	2.5REF	1000
SDR1005	9.0±0.4	10±0.4	5.4±0.40	9.5REF	10.0REF	3.75REF	2.5REF	1000
SDR1008	9.0±0.4	10±0.4	8.0±0.40	9.5REF	10.0REF	3.75REF	2.5REF	400
SDR1307	13.0±0.7	13±0.7	7.0±0.40	14.0REF	14.0REF	4.75REF	4.5REF	400

Product Identification/品名注释

S DR 0302 - 100 M
(1) (2) (3) (4) (5)

- (1) SMD/表面安装制品
(2) Drum Core Used /使用工字型磁芯
(3) Dimension symbol/尺寸表示:
0302=3.5 X 2.1 mm (W X H)

- (4) Inductance value/电感值:
4R7= 4.7uH,100=10uH,101=100uH
(5) Tolerance/公差: K=± 10%,L=± 15%,M=± 20%,
P=±25%,N=±30%

Specifications/规格

Type Name: SDR0301				
Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR0301-1R0M	1.0±20%	100KHz	48	1.60
SDR0301-1R5M	1.5±20%	100KHz	60	1.55
SDR0301-2R5M	2.5±20%	100KHz	78	1.47
SDR0301-3R3M	3.3±20%	100KHz	125	1.34
SDR0301-3R9M	3.9±20%	100KHz	140	1.24
SDR0301-4R7M	4.7±20%	100KHz	158	1.22
SDR0301-5R6M	5.6±20%	100KHz	185	1.09
SDR0301-6R8M	6.8±20%	100KHz	210	0.96
SDR0301-8R2M	8.2±20%	100KHz	235	0.84
SDR0301-100M	10±20%	100KHz	305	0.70
SDR0301-120M	12±20%	100KHz	370	0.65
SDR0301-150M	15±20%	100KHz	465	0.59
SDR0301-180M	18±20%	100KHz	515	0.54
SDR0301-220K	22±10%	100KHz	655	0.48
SDR0301-270K	27±10%	100KHz	770	0.43
SDR0301-330K	33±10%	100KHz	1020	0.37
SDR0301-390K	39±10%	100KHz	1120	0.32
SDR0301-470K	47±10%	100KHz	1500	0.26
SDR0301-560K	56±10%	100KHz	1670	0.24
SDR0301-680K	68±10%	100KHz	1910	0.23
SDR0301-820K	82±10%	100KHz	2640	0.21
SDR0301-101K	100±10%	1KHz	2870	0.19
SDR0301-121K	120±10%	1KHz	4080	0.17
SDR0301-151K	150±10%	1KHz	4740	0.14
SDR0301-181K	180±10%	1KHz	5690	0.12

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name :SDR0302				
Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR0302-1R0M	1.0±20%	100KHz	50	3.30
SDR0302-2R2M	2.2±20%	100KHz	68	2.25
SDR0302-3R3M	3.3±20%	100KHz	98	1.83
SDR0302-4R7M	4.7±20%	100KHz	135	1.50
SDR0302-5R6M	5.6±20%	100KHz	155	1.36
SDR0302-6R8M	6.8±20%	100KHz	195	1.22
SDR0302-8R2M	8.2±20%	100KHz	230	1.10
SDR0302-100M	10±20%	100KHz	285	0.95
SDR0302-120M	12±20%	100KHz	320	0.88
SDR0302-150M	15±20%	100KHz	395	0.82
SDR0302-180M	18±20%	100KHz	520	0.76
SDR0302-220K	22±10%	100KHz	660	0.62

SDR0302-270K	27±10%	100KHz	760	0.60
SDR0302-330K	33±10%	100KHz	870	0.56
SDR0302-390K	39±10%	100KHz	1100	0.51
SDR0302-470K	47±10%	100KHz	1250	0.47
SDR0302-560K	56±10%	100KHz	1590	0.42
SDR0302-680K	68±10%	100KHz	1820	0.38
SDR0302-820K	82±10%	100KHz	2440	0.34
SDR0302-101K	100±10%	1KHz	2840	0.31
SDR0302-121K	120±10%	1KHz	3190	0.28
SDR0302-151K	150±10%	1KHz	4200	0.16
SDR0302-181K	180±10%	1KHz	5100	0.15
SDR0302-221K	220±10%	1KHz	7300	0.14
SDR0302-271K	270±10%	1KHz	8200	0.12
SDR0302-331K	330±10%	1KHz	10150	0.10

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR0402

Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR0402-2R7M	2.7±20%	100KHz	65	1.50
SDR0402-4R7M	4.7±20%	100KHz	95	1.40
SDR0402-100M	10±20%	100KHz	180	0.97
SDR0402-220K	22±10%	100KHz	450	0.60
SDR0402-270K	27±10%	100KHz	470	0.55
SDR0402-330K	33±10%	100KHz	500	0.52
SDR0402-390K	39±10%	100KHz	700	0.50
SDR0402-470K	47±10%	100KHz	800	0.48
SDR0402-560K	56±10%	100KHz	900	0.45
SDR0402-101K	100±10%	100KHz	1500	0.12
SDR0402-151K	150±10%	100KHz	2300	0.11
SDR0402-221K	220±10%	100KHz	3200	0.105
SDR0402-331K	330±10%	100KHz	4000	0.10

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR0403

Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR0403-1R0M	1.0±20%	100KHz	48.5	2.70
SDR0403-1R4M	1.4±20%	100KHz	56.0	2.50
SDR0403-1R8M	1.8±20%	100KHz	63.5	2.33
SDR0403-2R2M	2.2±20%	100KHz	71.0	2.25
SDR0403-2R7M	2.7±20%	100KHz	78.5	2.16
SDR0403-3R3M	3.3±20%	100KHz	86.0	2.00
SDR0403-3R9M	3.9±20%	100KHz	93.5	1.85
SDR0403-4R7M	4.7±20%	100KHz	108	1.62
SDR0403-5R6M	5.6±20%	100KHz	125	1.48
SDR0403-6R8M	6.8±20%	100KHz	130	1.43

SDR0403-8R2M	8.2±20%	100KHz	145	1.37
SDR0403-100M	10±20%	100KHz	180	1.05
SDR0403-120M	12±20%	100KHz	210	0.97
SDR0403-150M	15±20%	100KHz	235	0.85
SDR0403-180M	18±20%	100KHz	335	0.74
SDR0403-220K	22±10%	100KHz	375	0.68
SDR0403-270K	27±10%	100KHz	520	0.62
SDR0403-330K	33±10%	100KHz	540	0.56
SDR0403-390K	39±10%	100KHz	585	0.52
SDR0403-470K	47±10%	100KHz	845	0.44
SDR0403-560K	56±10%	100KHz	935	0.42
SDR0403-680K	68±10%	100KHz	1110	0.37
SDR0403-820K	82±10%	100KHz	1180	0.33
SDR0403-101K	100±10%	1KHz	1190	0.29
SDR0403-121K	120±10%	1KHz	1400	0.26
SDR0403-151K	150±10%	1KHz	1860	0.23
SDR0403-181K	180±10%	1KHz	2040	0.20
SDR0403-221K	220±10%	1KHz	2850	0.18
SDR0403-271K	270±10%	1KHz	3170	0.16
SDR0403-331K	330±10%	1KHz	3980	0.13

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR0530

Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR0503-1R0M	1.0±20%	100KHz	38	4.50
SDR0503-2R2M	2.2±20%	100KHz	45	3.50
SDR0503-3R3M	3.3±20%	100KHz	55	2.80
SDR0503-3R9M	3.9±20%	100KHz	64	2.60
SDR0503-4R7M	4.7±20%	100KHz	72	2.50
SDR0503-5R6M	5.6±20%	100KHz	84	2.40
SDR0503-6R8M	6.8±20%	100KHz	90	2.20
SDR0503-8R2M	8.2±20%	100KHz	100	2.00
SDR0503-100M	10±20%	100KHz	120	1.80
SDR0503-120M	12±20%	100KHz	130	1.75
SDR0503-150M	15±20%	100KHz	150	1.70
SDR0503-180M	18±20%	100KHz	180	1.60
SDR0503-220K	22±10%	100KHz	220	1.50
SDR0503-270K	27±10%	100KHz	240	1.40
SDR0503-330K	33±10%	100KHz	300	1.10
SDR0503-390K	39±10%	100KHz	400	1.00
SDR0503-470K	47±10%	100KHz	430	0.90
SDR0503-560K	56±10%	100KHz	500	0.85
SDR0503-680K	68±10%	100KHz	600	0.80
SDR0503-820K	82±10%	100KHz	800	0.65
SDR0503-101K	100±10%	1KHz	900	0.60

SDR0503-121K	120±10%	1KHz	1000	0.55
SDR0503-151K	150±10%	1KHz	1300	0.43
SDR0503-181K	180±10%	1KHz	1500	0.40
SDR0503-221K	220±10%	1KHz	2000	0.38
SDR0503-271K	270±10%	1KHz	2500	0.35
SDR0503-331K	330±10%	1KHz	3200	0.28

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR0504				
Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR0504-1R2M	1.2±20%	100KHz	20	5.00
SDR0504-1R5M	1.5±20%	100KHz	25	4.80
SDR0504-2R2M	2.2±20%	100KHz	27	4.50
SDR0504-2R7M	2.7±20%	100KHz	30	3.50
SDR0504-3R3M	3.3±20%	100KHz	34	3.00
SDR0504-4R7M	4.7±20%	100KHz	40	2.80
SDR0504-6R8M	6.8±20%	100KHz	80	2.50
SDR0504-100M	10±20%	100KHz	100	1.44
SDR0504-120M	12±20%	100KHz	120	1.40
SDR0504-150M	15±20%	100KHz	140	1.30
SDR0504-180M	18±20%	100KHz	150	1.23
SDR0504-220K	22±10%	100KHz	180	1.11
SDR0504-270K	27±10%	100KHz	200	0.97
SDR0504-330K	33±10%	100KHz	230	0.88
SDR0504-390K	39±10%	100KHz	320	0.80
SDR0504-470K	47±10%	100KHz	370	0.72
SDR0504-560K	56±10%	100KHz	420	0.68
SDR0504-680K	68±10%	100KHz	460	0.61
SDR0504-820K	82±10%	100KHz	600	0.58
SDR0504-101K	100±10%	1KHz	700	0.52
SDR0504-121K	120±10%	1KHz	930	0.48
SDR0504-151K	150±10%	1KHz	1100	0.40
SDR0504-181K	180±10%	1KHz	1380	0.38
SDR0504-221K	220±10%	1KHz	1560	0.35

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR0703				
Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR0703-100M	10±20%	100KHz	80	1.45
SDR0703-120M	12±20%	100KHz	90	1.40
SDR0703-150M	15±20%	100KHz	104	1.25
SDR0703-180M	18±20%	100KHz	110	1.12
SDR0703-220K	22±10%	100KHz	129	1.08
SDR0703-270K	27±10%	100KHz	153	0.95
SDR0703-330K	33±10%	100KHz	170	0.85

SDR0703-390K	39±10%	100KHz	217	0.75
SDR0703-470K	47±10%	100KHz	250	0.68
SDR0703-560K	56±10%	100KHz	280	0.65
SDR0703-680K	68±10%	100KHz	330	0.60
SDR0703-820K	82±10%	100KHz	405	0.55
SDR0703-101K	100±10%	100KHz	480	0.51
SDR0703-121K	120±10%	100KHz	535	0.49
SDR0703-151K	150±10%	100KHz	755	0.40
SDR0703-181K	180±10%	100KHz	1020	0.36
SDR0703-221K	220±10%	100KHz	1200	0.31
SDR0703-271K	270±10%	100KHz	1300	0.29
SDR0703-331K	330±10%	100KHz	1500	0.28

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR0705				
Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR0705-1R2M	1.2±20%	100KHz,	15	7.50
SDR0705-2R2M	2.2±20%	100KHz,	23	5.30
SDR0705-3R3M	3.3±20%	100KHz,	28	4.50
SDR0705-4R7M	4.7±20%	100KHz,	45	4.00
SDR0705-6R8M	6.8±20%	100KHz,	58	3.20
SDR0705-8R2M	8.2±20%	100KHz,	60	2.80
SDR0705-100M	10±20%	100KHz	70	2.30
SDR0705-120M	12±20%	100KHz	80	2.00
SDR0705-150M	15±20%	100KHz	90	1.80
SDR0705-180M	18±20%	100KHz	100	1.60
SDR0705-220K	22±10%	100KHz	110	1.50
SDR0705-270K	27±10%	100KHz	120	1.30
SDR0705-330K	33±10%	100KHz	130	1.20
SDR0705-390K	39±10%	100KHz	160	1.10
SDR0705-470K	47±10%	100KHz	180	1.10
SDR0705-560K	56±10%	100KHz	240	0.94
SDR0705-680K	68±10%	100KHz	280	0.85
SDR0705-820K	82±10%	100KHz	370	0.78
SDR0705-101K	100±10%	1KHz	430	0.72
SDR0705-121K	120±10%	1KHz	470	0.66
SDR0705-151K	150±10%	1KHz	640	0.58
SDR0705-181K	180±10%	1KHz	710	0.51
SDR0705-221K	220±10%	1KHz	960	0.49
SDR0705-271K	270±10%	1KHz	1110	0.42
SDR0705-331K	330±10%	1KHz	1260	0.40
SDR0705-391K	390±10%	1KHz	1770	0.36
SDR0705-471K	470±10%	1KHz	1960	0.34

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR1004

Part No./品名	Inductance/电感值(μ H)	Test Condition/ 测试条件	D.C.R./直流电阻 ($m\Omega$)MAX.	Rated current 额定电流(A) ※
SDR1004-100M	10 $\pm$ 20%	100KHz	53	2.40
SDR1004-120M	12 $\pm$ 20%	100KHz	61	2.15
SDR1004-150M	15 $\pm$ 20%	100KHz	70	1.90
SDR1004-180M	18 $\pm$ 20%	100KHz	81	1.75
SDR1004-220K	22 $\pm$ 10%	100KHz	88	1.60
SDR1004-270K	27 $\pm$ 10%	100KHz	100	1.45
SDR1004-330K	33 $\pm$ 10%	100KHz	120	1.26
SDR1004-390K	39 $\pm$ 10%	100KHz	150	1.20
SDR1004-470K	47 $\pm$ 10%	100KHz	170	1.10
SDR1004-560K	56 $\pm$ 10%	100KHz	200	1.00
SDR1004-680K	68 $\pm$ 10%	100KHz	222	0.92
SDR1004-820K	82 $\pm$ 10%	100KHz	250	0.85
SDR1004-101K	100 $\pm$ 10%	1KHz	345	0.75
SDR1004-121K	120 $\pm$ 10%	1KHz	400	0.70
SDR1004-151K	150 $\pm$ 10%	1KHz	540	0.62
SDR1004-181K	180 $\pm$ 10%	1KHz	620	0.56
SDR1004-221K	220 $\pm$ 10%	1KHz	720	0.53
SDR1004-271K	270 $\pm$ 10%	1KHz	950	0.45
SDR1004-331K	330 $\pm$ 10%	1KHz	1100	0.42
SDR1004-391K	390 $\pm$ 10%	1KHz	1250	0.38
SDR1004-471K	470 $\pm$ 10%	1KHz	1520	0.35
SDR1004-561K	560 $\pm$ 10%	1KHz	1900	0.32

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR1005

Part No./品名	Inductance/电感值(μ H)	Test Condition/ 测试条件	D.C.R./直流电阻 ($m\Omega$)MAX.	Rated current 额定电流(A) ※
SDR1005-100M	10 $\pm$ 20%	100KHz	60	2.60
SDR1005-120M	12 $\pm$ 20%	100KHz	70	2.45
SDR1005-150M	15 $\pm$ 20%	100KHz	80	2.27
SDR1005-180M	18 $\pm$ 20%	100KHz	90	2.15
SDR1005-220K	22 $\pm$ 10%	100KHz	100	1.95
SDR1005-270K	27 $\pm$ 10%	100KHz	110	1.76
SDR1005-330K	33 $\pm$ 10%	100KHz	120	1.50
SDR1005-390K	39 $\pm$ 10%	100KHz	140	1.37
SDR1005-470K	47 $\pm$ 10%	100KHz	170	1.28
SDR1005-560K	56 $\pm$ 10%	100KHz	190	1.17
SDR1005-680K	68 $\pm$ 10%	100KHz	220	1.11
SDR1005-820K	82 $\pm$ 10%	100KHz	250	1.00
SDR1005-101K	100 $\pm$ 10%	1KHz	350	0.97
SDR1005-121K	120 $\pm$ 10%	1KHz	400	0.89
SDR1005-151K	150 $\pm$ 10%	1KHz	470	0.78
SDR1005-181K	180 $\pm$ 10%	1KHz	630	0.72
SDR1005-221K	220 $\pm$ 10%	1KHz	730	0.66

SDR1005-271K	270±10%	1KHz	970	0.57
SDR1005-331K	330±10%	1KHz	1150	0.52
SDR1005-391K	390±10%	1KHz	1300	0.48
SDR1005-471K	470±10%	1KHz	1480	0.42
SDR1005-561K	560±10%	1KHz	1900	0.33
SDR1005-681K	680±10%	1KHz	2250	0.28
SDR1005-821K	820±10%	1KHz	2550	0.24

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR1008				
Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR1008-1R0M	1.0±20%	100KHz	8	10.0
SDR1008-1R5M	1.5±20%	100KHz	10.5	9.0
SDR1008-2R2M	2.2±20%	100KHz	12	8.0
SDR1008-3R3M	3.3±20%	100KHz	16	7.2
SDR1008-3R9M	3.9±20%	100KHz	17	6.8
SDR1008-4R7M	4.7±20%	100KHz	19	6.0
SDR1008-5R6M	5.6±20%	100KHz	23.5	5.5
SDR1008-6R8M	6.8±20%	100KHz	35	5.0
SDR1008-8R2M	8.2±20%	100KHz	45	4.5
SDR1008-100M	10±20%	100KHz	60	4.0
SDR1008-120M	12±20%	100KHz	70	3.8
SDR1008-150M	15±20%	100KHz	80	3.5
SDR1008-180M	18±20%	100KHz	90	3.3
SDR1008-220K	22±10%	100KHz	100	3.2
SDR1008-270K	27±10%	100KHz	110	3.0
SDR1008-330K	33±10%	100KHz	120	2.8
SDR1008-390K	39±10%	100KHz	140	2.5
SDR1008-470K	47±10%	100KHz	170	2.1
SDR1008-560K	56±10%	100KHz	190	2.0
SDR1008-680K	68±10%	100KHz	220	1.8
SDR1008-820K	82±10%	100KHz	250	1.6
SDR1008-101K	100±10%	1KHz	350	1.5
SDR1008-121K	120±10%	1KHz	440	1.4
SDR1008-151K	150±10%	1KHz	470	1.3
SDR1008-181K	180±10%	1KHz	680	1.2
SDR1008-221K	220±10%	1KHz	730	1.1
SDR1008-271K	270±10%	1KHz	1050	1.0
SDR1008-331K	330±10%	1KHz	1150	0.9
SDR1008-391K	390±10%	1KHz	1300	0.8
SDR1008-471K	470±10%	1KHz	1480	0.7
SDR1008-561K	560±10%	1KHz	1900	0.65
SDR1008-681K	680±10%	1KHz	2250	0.60
SDR1008-821K	820±10%	1KHz	2550	0.55
SDR1008-102K	1000±10%	1KHz	3000	0.50
SDR1008-122K	1200±10%	1KHz	3500	0.45

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

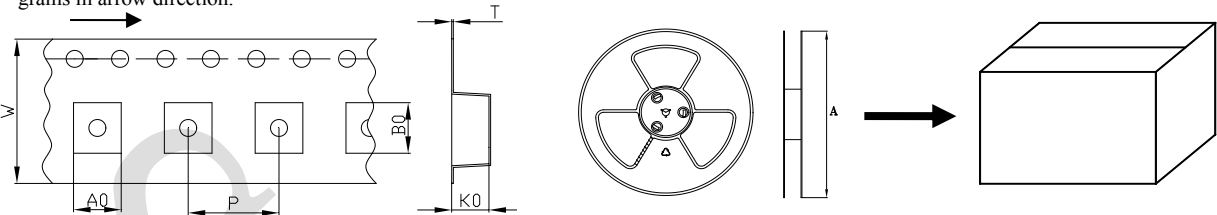
Type Name: SDR1307

Part No./品名	Inductance/电感值(μH)	Test Condition/ 测试条件	D.C.R./直流电阻 (mΩ)MAX.	Rated current 额定电流(A) ※
SDR1307-1R5M	1.5 ±20%	100KHz	5.0	9.5
SDR1307-2R2M	2.2 ±20%	100KHz	6.0	9.0
SDR1307-2R7M	2.7 ±20%	100KHz	8.0	8.2
SDR1307-3R3M	3.3 ±20%	100KHz	8.7	7.5
SDR1307-4R7M	4.7 ±20%	100KHz	10.0	7.0
SDR1307-5R6M	5.6 ±20%	100KHz	15.0	6.5
SDR1307-6R8M	6.8 ±20%	100KHz	17.0	6.0
SDR1307-8R2M	8.2 ±20%	100KHz	19.0	5.8
SDR1307-100M	10 ±20%	100KHz	21.0	5.6
SDR1307-120M	12 ±20%	100KHz	30.0	4.8
SDR1307-150M	15 ±20%	100KHz	34.0	4.5
SDR1307-180M	18 ±20%	100KHz	36.0	4.2
SDR1307-220M	22 ±20%	100KHz	47.0	3.6
SDR1307-270M	27 ±20%	100KHz	60.0	3.3
SDR1307-330K	33 ±10%	100KHz	65.0	3.1
SDR1307-390K	39 ±10%	100KHz	75.0	2.9
SDR1307-470K	47 ±10%	100KHz	82.0	2.7
SDR1307-560K	56 ±10%	100KHz	100	2.5
SDR1307-680K	68 ±10%	100KHz	120	2.3
SDR1307-820K	82 ±10%	100KHz	140	2.1
SDR1307-101K	100 ±10%	100KHz	180	1.9
SDR1307-121K	120 ±10%	100KHz	210	1.8
SDR1307-151K	150 ±10%	100KHz	250	1.6
SDR1307-181K	180 ±10%	100KHz	280	1.5
SDR1307-221K	220 ±10%	100KHz	360	1.3
SDR1307-271K	270 ±10%	100KHz	410	1.2
SDR1307-331K	330 ±10%	100KHz	520	1.1
SDR1307-391K	390 ±10%	100KHz	600	1.0
SDR1307-471K	470 ±10%	100KHz	720	0.9
SDR1307-561K	560 ±10%	100KHz	880	0.85
SDR1307-681K	680 ±10%	100KHz	1000	0.8
SDR1307-821K	820 ±10%	100KHz	1300	0.75
SDR1307-102K	1000 ±10%	100KHz	1600	0.65

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Packing:Dimensions for embossed tape and reel&catron packing with packed Qty/包装载带、胶盘和外箱包装数量

The force for tearing off cover tape is 10 to 130
grams in arrow direction.



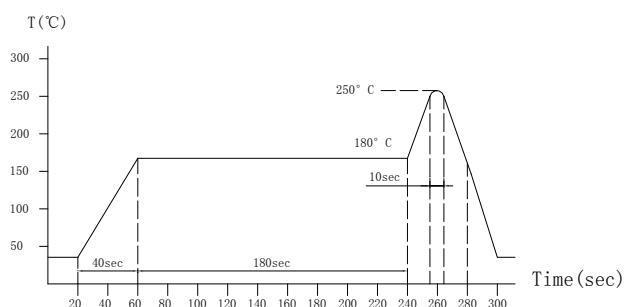
Type	DIMENSIONS (mm) /尺寸							QTY(PCS/REEL) 每卷产品数量
	A	W	P	A0	B0	K0	T	
SDR0301	330	12	8	3.2	3.65	1.80	0.30	3500
SDR0302	330	12	8	3.3	3.80	2.30	0.30	3000
SDR0402	330	12	8	4.15	4.60	2.30	0.35	3000
SDR0403	330	12	8	4.20	4.70	3.80	0.40	2000
SDR0503	330	12	8	5.50	6.00	4.10	0.40	2000
SDR0504	330	12	8	5.50	6.00	4.70	0.40	1500
SDR0703	330	16	12	7.30	8.00	4.30	0.35	1000
SDR0705	330	16	12	7.30	8.00	5.70	0.40	1000
SDR1008	330	24	12	9.40	10.40	4.30	0.35	1000
SDR1005	330	24	12	9.40	10.40	6.20	0.40	1000
SDR1008	330	24	12	9.40	10.40	8.80	0.45	400
SDR1307	330	24	20	13.70	13.70	7.80	0.45	400

Operation Temperature /使用温度范围	-40~+105℃(Includes temperature when the coil is heated.)/-40~+105℃(包含线圈发热)
External Appearance/外观	On visual inspection, the coil has no external defects./目视检查时,外观没有明显的缺陷.
Terminal Strength/端子强度	After soldering between copper plate and electrode, sample is pushed in three directions of X,Y and Z with force of 5N for 10±5 seconds, the terminal should not peel off. /将线圈的端子焊接在基板上,分别在 X,Y,Z 3 个方向施加 5N,时间 10±5 秒,无电极剥离和断线.
Insulating Resistance /绝缘电阻	Over 100MΩ at 100V D.C. between coil and core./线圈和磁芯间加上 100V 直流电压,绝缘电阻 100MΩ以上.
Dielectric Strength/耐电压	No dielectric breakdown at 100V D.C. for 1 minute between coil and core. /线圈和磁芯间加上 100V 直流电压 1 分钟时间后,无绝缘破坏不良出现.
Temperature Characteristics /温度特性	Inductance coefficient $(0\sim2,000)\times10^{-6}/^{\circ}\text{C}$ $(-25\sim+85^{\circ}\text{C})$ /电感温度系数 $(0\sim2,000)\times10^{-6}/^{\circ}\text{C}$ $(-25\sim+85^{\circ}\text{C})$
Humidity Characteristics /耐湿度特性	Inductance deviation within ±10%,after 96 hours in 90~95% relative humidity at 40±2℃ and 1 hour drying under normal condition./温度在 40±2℃,相对湿度在 90~95%条件下存放 96 小时后取出,用干布擦干.然后在常温常湿中放置 1 小时,电感变化率±10%以内.
Thermal shock test /冷热冲击特性	Inductance deviation within ±10%,after 20 cycles of +105℃ for 30 minutes, -40℃ for 30 minutes. Characteristics are measured after the ambient air exposure of 1 hour./-40℃放置 30 分钟后转换为+105℃放置 30 分钟,20 次循环,然后在常温常湿中放置 1 小时,电感变化率±10%以内.
High temperature storage test /高温保存测试	Inductance deviation within ±10%,after 96 hours in 105℃ ±2℃ characteristics are measured after ambient are exposure of 1 hour. /+105℃放置 96 小时,然后在常温常湿中放置 1 小时,电感变化率±10%以内.
Low temperature storage test /低温保存测试	Inductance deviation within ±10%,after 96 hours in -40℃ ±2℃ characteristics are measured after ambient are exposure of 1 hour. /-40℃放置 96 小时,然后在常温常湿中放置 1 小时,电感变化率±10%以内.

General Characteristics

Recommended Reflow Conditions (Lead-free)

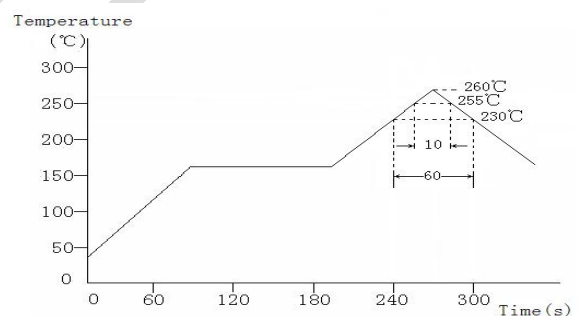
/推荐回流焊条件(无铅)



The reflow condition recommended above is according to the machine used by our company. Big differences will arise as a result of the type of machine, reflow conditions, method, etc used. Hence, before setting up your reflow conditions, please confirm with the above./上面推荐的回流焊试验条件是根据本公司的回流焊设备测试结果得到. 不同的试验设备、试验条件和试验方法及试验结果不同. 因此回流焊试验条件的设定需要仔细地确认.

Reflow Soldering Heat Endurance

/回流焊耐热



No mechanical and electrical defects are found after testing based on the above profile and keeping under the conditions of room temperature and humidity for 2 hours. /在该条件下进行回流焊, 常温常湿条件下放置 2 个小时后, 无机械, 电气特性缺陷发生.

Twice reflow test is acceptable with the test interval remaining 1 hour under the normal conditions.

/在常温常湿条件下, 间隔 1 个小时可进行两次回流焊.

The reflow test profile may vary with the testing instruments.

/回流焊曲线图会因设备的不同有所差异.