

## 产品承认书

## Specification For Approved

版本: REV.A00

客户名称/Customer name:	N/A
客户品名/Customer name:	N/A
客户型号/Customer Model number:	N/A
客户料号/Customer material number:	N/A
巨维品名/JW name:	Magnetic enclosure shielding inductance
巨维型号/JW Model number:	IRSD2D-8D Series
巨维料号/JW Material number:	N/A

巨维签署/JW Signed			客户承认/Customer Approval		
制定 Prepared By	审核 Checked By	批准 Approved By	确认 Confirm By	审核 Checked By	承认 Approved By
唐秀玲	王瑞琳	欧奇林			
2024.9.7	2024.9.7	2024.9.7			

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工厂地址: 中国 湖南省 衡阳市 衡山科学城 2-10 栋  
Address: Building 2-10, Hengshan Science City, Hengyang City, Hunan Province, China

客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

### 变更履历/Modify Record

版本 Ver.	变更内容/Change content	日期 Date	制定 Prepared By	审核 Checked By
A00	新发行/New release	2024.9.7	唐秀玲	王瑞琳

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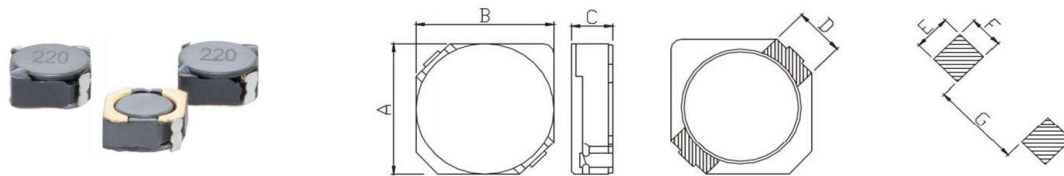
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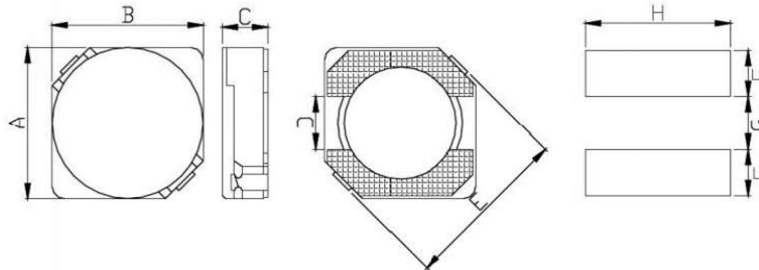
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客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

1. 产品形状尺寸(单位:毫米)/Product Shape size(Unit:mm):



Series	Dimensions(mm)						
	A	B	C Max	D	E Ref.	F Ref.	G Ref.
IRSD2D11	3.0±0.2	3.0±0.2	1.3	1.0±0.2	1.3	1.3	1.7
IRSD2D14	3.0±0.2	3.0±0.2	1.6	1.0±0.2	1.3	1.3	1.7
IRSD2D18	3.0±0.2	3.0±0.2	2.0	1.0±0.2	1.3	1.3	1.7
IRSD3D11	3.8±0.2	3.8±0.2	1.3	1.1±0.2	1.5	1.4	2.4



Series	Dimensions(mm)							
	A	B	C Max	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.
IRSD3D16	3.8±0.2	3.8±0.2	1.8	1.15	5.2	1.6	1.2	4.4
IRSD3D18	3.8±0.2	3.8±0.2	2.0	1.15	5.2	1.6	1.2	4.4
IRSD3D28	3.8±0.2	3.8±0.2	3.1	1.15	5.2	1.6	1.2	4.4
IRSD4D18	4.7±0.3	4.7±0.3	2.0	1.5	6.9	1.9	1.5	5.3
IRSD4D28	4.7±0.3	4.7±0.3	3.0	1.5	6.9	1.9	1.5	5.3
IRSD5D18	5.7±0.3	5.7±0.3	2.0	2.0	8.2	2.15	2.0	6.3
IRSD5D28	5.7±0.3	5.7±0.3	3.0	2.0	8.2	2.15	2.0	6.3
IRSD6D28	6.7±0.3	6.7±0.3	3.0	2.0	9.5	2.65	2.0	7.3
IRSD6D38	6.7±0.3	6.7±0.3	4.0	2.0	9.5	2.65	2.0	7.3

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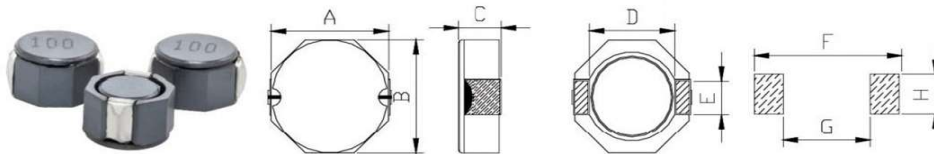
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客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

1. 产品形状尺寸(单位:毫米)/Product Shape size(Unit:mm):



Series	Dimensions(mm)							
	A	B	C Max	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.
IRSD8D28	8.0±0.3	8.0±0.3	3.00	6.3	2.5	10.1	6.1	2.8
IRSD8D38	8.0±0.3	8.0±0.3	4.00	6.3	2.5	10.1	6.1	2.8
IRSD8D43	8.0±0.3	8.0±0.3	4.50	6.3	2.5	10.1	6.1	2.8

2. 品名型号命名指南/Nomenclature guidelines for product models:

J - IRSD    2D18    A - 2R2    M - X  
①                    ②                    ③                    ④                    ⑤                    ⑥                    ⑦

①	公司名称代码/Company name code
J	巨晟电子代码/JUSHENG electronic code
②	产品系列代码/Product family code
IRSD	磁罩屏蔽电感/Magnetic enclosure shielding inductance
③	产品外形尺寸(毫米)/Product dimension(mm)
2D18	长3.0*宽3.0*高2.0毫米/Length3.0 *Width3.0 *Height2.0mm
④	外观形状区分代码, 请参考产品形状尺寸页面
A	Appearance shape distinguishes the code ,Please refer to the product shape and size page
⑤	电感量标识(亨利)/Inductance identification(H)
2R2	R22(0.22μH) , 2R2(2.2μH) , 100(10μH) , 221(220μH) , 202(2000μH)
⑥	电感容差字母代码/Inductance tolerance letter code
M	J±5% , K±10% , L±15% , M±20% , P±25% , N±30%
⑦	内部管理代码/Internal management code
X	无代码为常规产品, 其它请咨询/No code regular product, other please consult

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客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature : -40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD2D11 -2D14Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD2D11A-1R5N	1.5	100/0.25	0.0680	0.900
2	J-IRSD2D11A-2R2N	2.2	100/0.25	0.0980	0.780
3	J-IRSD2D11A-3R3N	3.3	100/0.25	0.1230	0.600
4	J-IRSD2D11A-4R7N	4.7	100/0.25	0.1700	0.500
5	J-IRSD2D11A-6R8N	6.8	100/0.25	0.2600	0.440
6	J-IRSD2D11A-100N	10.0	100/0.25	0.4000	0.350
7	J-IRSD2D14A-1R2N	1.2	100/0.25	0.0490	1.950
8	J-IRSD2D14A-1R5N	1.5	100/0.25	0.0630	1.800
9	J-IRSD2D14A-1R8N	1.8	100/0.25	0.0750	1.650
10	J-IRSD2D14A-2R2N	2.2	100/0.25	0.0940	1.500
11	J-IRSD2D14A-2R7N	2.7	100/0.25	0.1060	1.350
12	J-IRSD2D14A-3R3N	3.3	100/0.25	0.1250	1.200
13	J-IRSD2D14A-3R9N	3.9	100/0.25	0.1380	1.100
14	J-IRSD2D14A-4R7N	4.7	100/0.25	0.1690	1.000
15	J-IRSD2D14A-5R6N	5.6	100/0.25	0.1880	0.950
16	J-IRSD2D14A-6R8N	6.8	100/0.25	0.2130	0.850
17	J-IRSD2D14A-8R2N	8.2	100/0.25	0.2810	0.800
18	J-IRSD2D14A-100N	10.0	100/0.25	0.2940	0.700
19	J-IRSD2D14A-120N	12.0	100/0.25	0.3940	0.620

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

### 3. 耐高温等级/Temperature resistance class:

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature :-40 ~ +125°C(Including self - temperature rise)

### 4. 电气性能表/Electrical Characteristics List:

#### IRSD2D18 -3D11Series

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD2D18A-2R2N	2.2	100/0.25	0.0410	0.850
2	J-IRSD2D18A-3R3N	3.3	100/0.25	0.0540	0.750
3	J-IRSD2D18A-4R7N	4.7	100/0.25	0.0780	0.630
4	J-IRSD2D18A-6R8N	6.8	100/0.25	0.1060	0.520
5	J-IRSD2D18A-100N	10.0	100/0.25	0.1800	0.430
6	J-IRSD2D18A-150N	15.0	100/0.25	0.2200	0.350
7	J-IRSD2D18A-220N	22.0	100/0.25	0.3200	0.300
8	J-IRSD2D18A-330N	33.0	100/0.25	0.4600	0.240
9	J-IRSD2D18A-470N	47.0	100/0.25	0.6600	0.200
10	J-IRSD3D11A-2R7N	2.7	100/0.25	0.0780	0.530
11	J-IRSD3D11A-4R7N	4.7	100/0.25	0.1230	0.400
12	J-IRSD3D11A-6R8N	6.8	100/0.25	0.1800	0.340
13	J-IRSD3D11A-8R2N	8.2	100/0.25	0.2040	0.320
14	J-IRSD3D11A-100N	10.0	100/0.25	0.2400	0.280
15	J-IRSD3D11A-120N	12.0	100/0.25	0.2760	0.250
16	J-IRSD3D11A-150N	15.0	100/0.25	0.3720	0.230
17	J-IRSD3D11A-180N	18.0	100/0.25	0.4680	0.210
18	J-IRSD3D11A-220N	22.0	100/0.25	0.5400	0.190
19	J-IRSD3D11A-270N	27.0	100/0.25	0.7260	0.170
20	J-IRSD3D11A-330N	33.0	100/0.25	0.8220	0.150
21	J-IRSD3D11A-390N	39.0	100/0.25	0.9420	0.140

Test remarks:

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客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature : -40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD3D16 -3D18Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD3D16A-R47N	0.47	100/0.25	0.0350	2.750
2	J-IRSD3D16A-1R0N	1.0	100/0.25	0.0500	1.900
3	J-IRSD3D16A-1R5N	1.5	100/0.25	0.0520	1.550
4	J-IRSD3D16A-2R2N	2.2	100/0.25	0.0720	1.200
5	J-IRSD3D16A-3R3N	3.3	100/0.25	0.0850	1.100
6	J-IRSD3D16A-4R7N	4.7	100/0.25	0.1050	0.900
7	J-IRSD3D16A-6R8N	6.8	100/0.25	0.1700	0.730
8	J-IRSD3D16A-100N	10.0	100/0.25	0.2100	0.550
9	J-IRSD3D16A-150N	15.0	100/0,25	0.2950	0.450
10	J-IRSD3D16A-220N	22.0	100/0.25	0.4300	0.400
11	J-IRSD3D16A-330N	33.0	100/0.25	0.6750	0.320
12	J-IRSD3D18A-1R0N	1.0	100/0.25	0.0500	2.800
13	J-IRSD3D18A-2R2N	2.2	100/0.25	0.0630	1.800
14	J-IRSD3D18A-3R0N	3.0	100/0.25	0.0690	1.600
15	J-IRSD3D18A-4R7N	4.7	100/0.25	0.1080	1.350
16	J-IRSD3D18A-6R8N	6.8	100/0.25	0.1500	1.100
17	J-IRSD3D18A-100N	10.0	100/0.25	0.2050	0.900
18	J-IRSD3D18A-120N	12.0	100/0.25	0.2750	0.800
19	J-IRSD3D18A-150N	15.0	100/0.25	0.3020	0.750
20	J-IRSD3D18A-220N	22.0	100/0.25	0.4240	0.600
21	J-IRSD3D18A-330N	33.0	100/0.25	0.6400	0.500
22	J-IRSD3D18A-470N	47.0	100/0.25	0.9640	0.400

Test remarks:

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**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature : -40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD3D28 Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD3D28A-100N	10.0	100/0.25	0.0920	0.500
2	J-IRSD3D28A-120N	12.0	100/0.25	0.1000	0.450
3	J-IRSD3D28A-150N	15.0	100/0.25	0.1130	0.400
4	J-IRSD3D28A-180N	18.0	100/0.25	0.1250	0.350
5	J-IRSD3D28A-220N	22.0	100/0.25	0.1460	0.330
6	J-IRSD3D28A-270N	27.0	100/0.25	0.1760	0.290
7	J-IRSD3D28A-330N	33.0	100/0.25	0.2140	0.280
8	J-IRSD3D28A-390N	39.0	100/0.25	0.2250	0.250
9	J-IRSD3D28A-470N	47.0	100/0.25	0.3040	0.230
10	J-IRSD3D28A-560N	56.0	100/0.25	0.3240	0.200
11	J-IRSD3D28A-680N	68.0	100/0.25	0.4720	0.180
12	J-IRSD3D28A-820N	82.0	100/0.25	0.5390	0.170
13	J-IRSD3D28A-101M	100.0	100/0.25	0.6080	0.160
14	J-IRSD3D28A-121M	120.0	100/0.25	0.7570	0.130
15	J-IRSD3D28A-151M	150.0	100/0.25	0.8820	0.120
16	J-IRSD3D28A-181M	180.0	100/0.25	1.1300	0.110
17	J-IRSD3D28A-221M	220.0	100/0.25	1.2690	0.100

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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### 3. 耐高温等级/Temperature resistance class:

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature : -40 ~ +125°C(Including self - temperature rise)

### 4. 电气性能表/Electrical Characteristics List:

#### IRSD4D18 Series

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD4D18A-1R0N	1.0	100/0.25	0.0450	1.720
2	J-IRSD4D18A-2R2N	2.2	100/0.25	0.0750	1.320
3	J-IRSD4D18A-2R7N	2.7	100/0.25	0.1050	1.280
4	J-IRSD4D18A-3R3N	3.3	100/0.25	0.1100	1.040
5	J-IRSD4D18A-3R9N	3.9	100/0.25	0.1550	0.880
6	J-IRSD4D18A-4R7N	4.7	100/0.25	0.1620	0.840
7	J-IRSD4D18A-5R6N	5.6	100/0.25	0.1700	0.800
8	J-IRSD4D18A-6R8N	6.8	100/0.25	0.2000	0.760
9	J-IRSD4D18A-8R2N	8.2	100/0.25	0.2450	0.680
10	J-IRSD4D18A-100N	10.0	100/0.25	0.2000	0.610
11	J-IRSD4D18A-120N	12.0	100/0.25	0.2100	0.560
12	J-IRSD4D18A-150N	15.0	100/0.25	0.2400	0.500
13	J-IRSD4D18A-180N	18.0	100/0.25	0.3380	0.480
14	J-IRSD4D18A-220N	22.0	100/0.25	0.3970	0.410
15	J-IRSD4D18A-270N	27.0	100/0.25	0.4410	0.350
16	J-IRSD4D18A-330N	33.0	100/0.25	0.6940	0.320
17	J-IRSD4D18A-390N	39.0	100/0.25	0.7090	0.300
18	J-IRSD4D18A-470N	47.0	100/0.25	0.9220	0.280
19	J-IRSD4D18A-560N	56.0	100/0.25	1.0800	0.260
20	J-IRSD4D18A-680N	68.0	100/0.25	1.3000	0.240
21	J-IRSD4D18A-820N	82.0	100/0.25	1.5500	0.220
22	J-IRSD4D18A-101M	100.0	100/0.25	1.7300	0.200

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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工厂地址: 中国 湖南省 衡阳市 衡山科学城 2-10栋

Address: Building 2-10, Hengshan Science City, Hengyang City, Hunan Province, China

客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature :-40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD4D18 -4D28Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD4D18A-121M	120.0	100/0.25	2.3900	0.180
2	J-IRSD4D18A-151M	150.0	100/0.25	2.6700	0.150
3	J-IRSD4D18A-181M	180.0	100/0.25	4.0000	0.140
4	J-IRSD4D28A-1R2N	1.20	100/0.25	0.0240	2.560
5	J-IRSD4D28A-1R8N	1.80	100/0.25	0.0280	2.200
6	J-IRSD4D28A-2R2N	2.2	100/0.25	0.0310	2.040
7	J-IRSD4D28A-2R7N	2.7	100/0.25	0.0430	1.600
8	J-IRSD4D28A-3R3N	3.3	100/0.25	0.0490	1.570
9	J-IRSD4D28A-3R9N	3.9	100/0.25	0.0650	1.440
10	J-IRSD4D28A-4R7N	4.7	100/0.25	0.0720	1.320
11	J-IRSD4D28A-5R6N	5.6	100/0.25	0.1010	1.170
12	J-IRSD4D28A-6R8N	6.8	100/0.25	0.1090	1.120
13	J-IRSD4D28A-8R2N	8.2	100/0.25	0.1180	1.040
14	J-IRSD4D28A-100N	10.0	100/0.25	0.1280	1.000
15	J-IRSD4D28A-120N	12.0	100/0.25	0.1320	0.840
16	J-IRSD4D28A-150N	15.0	100/0.25	0.1490	0.760
17	J-IRSD4D28A-180N	18.0	100/0.25	0.1660	0.720
18	J-IRSD4D28A-220N	22.0	100/0.25	0.2350	0.700
19	J-IRSD4D28A-270N	27.0	100/0.25	0.2610	0.580
20	J-IRSD4D28A-330N	33.0	100/0.25	0.3780	0.560
21	J-IRSD4D28A-390N	39.0	100/0.25	0.3840	0.500
22	J-IRSD4D28A-470N	47.0	100/0.25	0.5870	0.480

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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工厂地址: 中国 湖南省 衡阳市 衡山科学城 2-10栋

Address: Building 2-10, Hengshan Science City, Hengyang City, Hunan Province, China

客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature : -40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD4D28-5D18Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD4D28A-560N	56.0	100/0.25	0.6250	0.410
2	J-IRSD4D28A-680N	68.0	100/0.25	0.6990	0.350
3	J-IRSD4D28A-820N	82.0	100/0.25	0.9150	0.320
4	J-IRSD4D28A-101M	100.0	100/0.25	1.0200	0.290
5	J-IRSD4D28A-121M	120.0	100/0.25	1.2700	0.270
6	J-IRSD4D28A-151M	150.0	100/0.25	1.3500	0.240
7	J-IRSD4D28A-181M	180.0	100/0.25	1.5400	0.220
8	J-IRSD4D28A-221M	220.0	100/0.25	1.7200	0.200
9	J-IRSD4D28A-271M	270.0	100/0.25	1.9500	0.160
10	J-IRSD4D28A-331M	330.0	100/0.25	2.6600	0.140
11	J-IRSD4D28A-391M	390.0	100/0.25	2.8300	0.130
12	J-IRSD5D18A-4R1N	4.1	100/0.25	0.0570	1.950
13	J-IRSD5D18A-6R2N	6.2	100/0.25	0.0960	1.400
14	J-IRSD5D18A-100N	10.0	100/0.25	0.1240	1.200
15	J-IRSD5D18A-120N	12.0	100/0.25	0.1530	1.100
16	J-IRSD5D18A-150N	15.0	100/0.25	0.1960	0.970
17	J-IRSD5D18A-180N	18.0	100/0.25	0.2100	0.850
18	J-IRSD5D18A-220N	22.0	100/0.25	0.2900	0.800
19	J-IRSD5D18A-330N	33.0	100/0.25	0.3860	0.650
20	J-IRSD5D18A-470N	47.0	100/0.25	0.5950	0.540
21	J-IRSD5D18A-680N	68.0	100/0.25	0.8400	0.430
22	J-IRSD5D18A-820N	82.0	100/0.25	0.9780	0.410

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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Address: Building 2-10, Hengshan Science City, Hengyang City, Hunan Province, China

客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature :-40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD5D18-5D28Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD5D18A-101M	100.0	100/0.25	1.2000	0.360
2	J-IRSD5D18A-121M	120.0	100/0.25	1.5000	0.330
3	J-IRSD5D18A-151M	150.0	100/0.25	1.7100	0.310
4	J-IRSD5D18A-181M	180.0	100/0.25	2.2400	0.280
5	J-IRSD5D28A-1R0N	1.0	100/0.25	0.0150	2.800
6	J-IRSD5D28A-2R2N	2.2	100/0.25	0.0230	2.600
7	J-IRSD5D28A-5R6N	5.6	100/0.25	0.0380	1.900
8	J-IRSD5D28A-8R2N	8.2	100/0.25	0.0530	1.600
9	J-IRSD5D28A-100N	10.0	100/0.25	0.0650	1.300
10	J-IRSD5D28A-120N	12.0	100/0.25	0.0760	1.200
11	J-IRSD5D28A-180N	18.0	100/0.25	0.1100	1.000
12	J-IRSD5D28A-220N	22.0	100/0.25	0.1220	0.900
13	J-IRSD5D28A-330N	33.0	100/0.25	0.1890	0.750
14	J-IRSD5D28A-470N	47.0	100/0.25	0.2600	0.620
15	J-IRSD5D28A-680N	68.0	100/0.25	0.3550	0.520
16	J-IRSD5D28A-101M	100.0	100/0.25	0.5200	0.420
17	J-IRSD5D28A-151M	150.0	100/0.25	0.6800	0.350
18	J-IRSD5D28A-181M	180.0	100/0.25	0.9300	0.320
19	J-IRSD5D28A-221M	220.0	100/0.25	1.1500	0.300
20	J-IRSD5D28A-271M	270.0	100/0.25	1.5600	0.270
21	J-IRSD5D28A-331M	330.0	100/0.25	1.9800	0.250

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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Address: Building 2-10, Hengshan Science City, Hengyang City, Hunan Province, China

客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature : -40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD6D28Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD6D28A-3R0N	3.0	100/0.25	0.0240	3.000
2	J-IRSD6D28A-3R9N	3.9	100/0.25	0.0270	2.600
3	J-IRSD6D28A-5R0N	5.0	100/0.25	0.0310	2.400
4	J-IRSD6D28A-6R0N	6.0	100/0.25	0.0350	2.250
5	J-IRSD6D28A-7R3N	7.3	100/0.25	0.0540	2.100
6	J-IRSD6D28A-8R6N	8.6	100/0.25	0.0580	1.850
7	J-IRSD6D28A-100N	10.0	100/0.25	0.0650	1.700
8	J-IRSD6D28A-120N	12.0	100/0.25	0.0700	1.550
9	J-IRSD6D28A-150N	15.0	100/0.25	0.0840	1.400
10	J-IRSD6D28A-180N	18.0	100/0.25	0.0950	1.320
11	J-IRSD6D28A-220N	22.0	100/0.25	0.1280	1.200
12	J-IRSD6D28A-270N	27.0	100/0.25	0.1420	1.050
13	J-IRSD6D28A-330N	33.0	100/0.25	0.1650	0.970
14	J-IRSD6D28A-390N	39.0	100/0.25	0.2100	0.860
15	J-IRSD6D28A-470N	47.0	100/0.25	0.2380	0.800
16	J-IRSD6D28A-560N	56.0	100/0.25	0.2770	0.730
17	J-IRSD6D28A-680N	68.0	100/0.25	0.3040	0.650
18	J-IRSD6D28A-820N	82.0	100/0.25	0.3900	0.600
19	J-IRSD6D28A-101M	100.0	100/0.25	0.5350	0.540
20	J-IRSD6D28A-121M	120.0	100/0.25	0.7500	0.510
21	J-IRSD6D28A-151M	150.0	100/0.25	0.9500	0.470
22	J-IRSD6D28A-181M	180.0	100/0.25	1.2000	0.410

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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Address: Building 2-10, Hengshan Science City, Hengyang City, Hunan Province, China

客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature : -40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD6D28-6D38Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD6D28A-221M	220.0	100/0.25	1.5000	0.370
2	J-IRSD6D28A-271M	270.0	100/0.25	1.7000	0.330
3	J-IRSD6D28A-331M	330.0	100/0.25	2.1500	0.280
4	J-IRSD6D28A-391M	390.0	100/0.25	2.2500	0.270
5	J-IRSD6D28A-471M	470.0	100/0.25	3.1500	0.210
6	J-IRSD6D38A-3R0N	3.0	100/0.25	0.0200	3.500
7	J-IRSD6D38A-5R0N	5.0	100/0.25	0.0240	2.900
8	J-IRSD6D38A-6R2N	6.2	100/0.25	0.0270	2.500
9	J-IRSD6D38A-7R3N	7.3	100/0.25	0.0310	2.300
10	J-IRSD6D38A-8R6N	8.6	100/0.25	0.0340	2.200
11	J-IRSD6D38A-100N	10.0	100/0.25	0.0380	2.000
12	J-IRSD6D38A-120N	12.0	100/0.25	0.0530	1.700
13	J-IRSD6D38A-150N	15.0	100/0.25	0.0570	1.600
14	J-IRSD6D38A-180N	18.0	100/0.25	0.0920	1.500
15	J-IRSD6D38A-220N	22.0	100/0.25	0.0960	1.300
16	J-IRSD6D38A-270N	27.0	100/0.25	0.1090	1.200
17	J-IRSD6D38A-330N	33.0	100/0.25	0.1240	1.100
18	J-IRSD6D38A-390N	39.0	100/0.25	0.1380	1.000
19	J-IRSD6D38A-470N	47.0	100/0.25	0.1550	0.950
20	J-IRSD6D38A-560N	56.0	100/0.25	0.2020	0.850
21	J-IRSD6D38A-680N	68.0	100/0.25	0.2340	0.750
22	J-IRSD6D38A-820N	82.0	100/0.25	0.3240	0.700

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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工厂地址: 中国 湖南省 衡阳市 衡山科学城 2-10栋

Address: Building 2-10, Hengshan Science City, Hengyang City, Hunan Province, China



客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature : -40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD6D38-8D28Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD6D38A-101M	100.0	100/0.25	0.3580	0.650
2	J-IRSD6D38A-121M	120.0	100/0.25	0.4700	0.590
3	J-IRSD6D38A-151M	150.0	100/0.25	0.5800	0.540
4	J-IRSD6D38A-181M	180.0	100/0.25	0.6900	0.490
5	J-IRSD6D38A-221M	220.0	100/0.25	0.8900	0.430
6	J-IRSD6D38A-271M	270.0	100/0.25	1.2900	0.400
7	J-IRSD6D38A-331M	330.0	100/0.25	1.7000	0.370
8	J-IRSD6D38A-391M	390.0	100/0.25	1.7500	0.340
9	J-IRSD6D38A-471M	470.0	100/0.25	2.2000	0.320
10	J-IRSD6D38A-561M	560.0	100/0.25	2.8500	0.290
11	J-IRSD8D28A-1R0N	1.0	100/0.25	0.0110	6.500
12	J-IRSD8D28A-2R5N	2.5	100/0.25	0.0160	4.500
13	J-IRSD8D28A-3R3N	3.3	100/0.25	0.0190	4.000
14	J-IRSD8D28A-4R7N	4.7	100/0.25	0.0250	3.400
15	J-IRSD8D28A-7R3N	7.3	100/0.25	0.0390	2.800
16	J-IRSD8D28A-100N	10.0	100/0.25	0.0470	2.500
17	J-IRSD8D28A-150N	15.0	100/0.25	0.0690	1.900
18	J-IRSD8D28A-220N	22.0	100/0.25	0.0990	1.600
19	J-IRSD8D28A-330N	33.0	100/0.25	0.1560	1.300
20	J-IRSD8D28A-470N	47.0	100/0.25	0.1950	1.150
21	J-IRSD8D28A-680N	68.0	100/0.25	0.2860	0.920
22	J-IRSD8D28A-101M	100.0	100/0.25	0.4300	0.750

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

**3. 耐高温等级/Temperature resistance class:**

工作温度: -40 ~ +125°C(含自温升)

Operating Temperature :-40 ~ +125°C(Including self - temperature rise)

**4. 电气性能表/Electrical Characteristics List:**

**IRSD8D38-8D43Series**

NO.	Part Number	Inductance (uH)	Test Freq. (KHz)	DCR Max. (Ω)	IDC Max. (A)
1	J-IRSD8D38A-1R8N	1.8	100/0.25	0.0160	7.000
2	J-IRSD8D38A-2R5N	2.5	100/0.25	0.0180	6.500
3	J-IRSD8D38A-3R3N	3.3	100/0.25	0.0240	5.000
4	J-IRSD8D38A-4R7N	4.7	100/0.25	0.0290	4.600
5	J-IRSD8D38A-6R0N	6.0	100/0.25	0.0320	4.200
6	J-IRSD8D38A-100N	10.0	100/0.25	0.0480	3.000
7	J-IRSD8D38A-150N	15.0	100/0.25	0.0670	2.750
8	J-IRSD8D38A-220N	22.0	100/0.25	0.1050	2.300
9	J-IRSD8D38A-330N	33.0	100/0.25	0.1570	1.750
10	J-IRSD8D38A-470N	47.0	100/0.25	0.1890	1.520
11	J-IRSD8D38A-680N	68.0	100/0.25	0.2900	1.300
12	J-IRSD8D38A-101M	100.0	100/0.25	0.4100	1.050
13	J-IRSD8D43A-1R0N	1.0	100/0.25	0.0100	8.500
14	J-IRSD8D43A-1R2N	1.2	100/0.25	0.0130	8.000
15	J-IRSD8D43A-2R2N	2.2	100/0.25	0.0140	7.000
16	J-IRSD8D43A-3R9N	3.9	100/0.25	0.0190	5.900
17	J-IRSD8D43A-4R7N	4.7	100/0.25	0.0220	5.600
18	J-IRSD8D43A-6R8N	6.8	100/0.25	0.0250	4.400
19	J-IRSD8D43A-100N	10.0	100/0.25	0.0360	4.000
20	J-IRSD8D43A-150N	15.0	100/0.25	0.0530	2.900
21	J-IRSD8D43A-220N	22.0	100/0.25	0.0750	2.600
22	J-IRSD8D43A-330N	33.0	100/0.25	0.1250	2.200

Test remarks:

1.All test data is referenced to 25 °C ambient.

2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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Address: Building 2-10, Hengshan Science City, Hengyang City, Hunan Province, China

# 深圳市巨维科技有限公司

Shenzhen Ju Wei Technology Co., Ltd

客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

### 3. 耐高温等级/Temperature resistance class:

工作温度:  $-40 \sim +125^{\circ}\text{C}$ (含自温升)

Operating Temperature :  $-40 \sim +125^{\circ}\text{C}$ (Including self - temperature rise)

### 4. 电气性能表/Electrical Characteristics List:

#### IRSD8D43Series

NO.	Part Number	Inductance ( $\mu\text{H}$ )	Test Freq. (KHz)	DCR Max. ( $\Omega$ )	IDC Max. (A)
1	J-IRSD8D43A-470N	47.0	100/0.25	0.1500	1.800
2	J-IRSD8D43A-680N	68.0	100/0.25	0.2400	1.500
3	J-IRSD8D43A-101M	100.0	100/0.25	0.3600	1.300

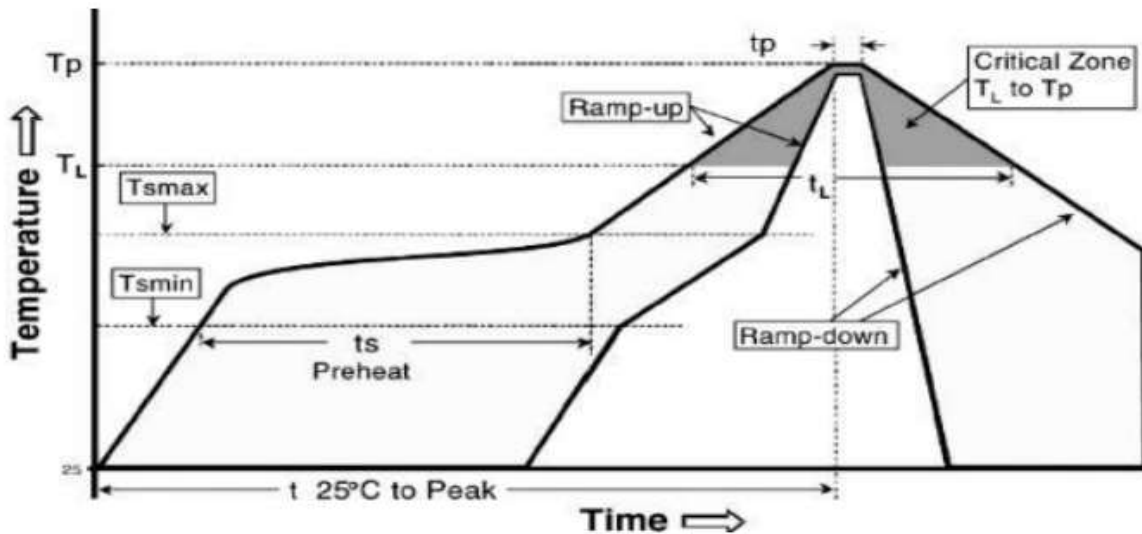
Test remarks:

- 1.All test data is referenced to  $25^{\circ}\text{C}$  ambient.
- 2.IDC:DC current at which the inductance drops approximate 35%from its value without current.

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客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

5. 建议回流焊温度曲线/Reflow temperature profile is recommended:



Profile Feature	Lead (Pb)-Free solder
Preheat:	
Temperature Min ( $T_{smin}$ )	150°C
Temperature Max ( $T_{smax}$ )	200°C
Time ( $T_{smin}$ to $T_{smax}$ ) ( $t_s$ )	60 - 120 seconds
Average ramp-up rate: ( $T_{smax}$ to $T_p$ )	3°C / second max.
Time maintained above :	
Temperature ( $T_L$ )	217°C
Time ( $t_L$ )	60-150 seconds
Peak Temperature ( $T_p$ )	260°C
Time within $+0$ / $-5$ °C of actual peak Temperature ( $t_p$ ) <sup>2</sup>	10 seconds
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8minutes max.

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客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

### 6. 可靠性测试/Reliability Test:

Item	Specification and Requirement	Test Method								
Solderability	<ol style="list-style-type: none"> <li>No case deformation or change in appearance</li> <li>New solder coverage More than 90%</li> </ol>	<ol style="list-style-type: none"> <li>Preheat: 155°C ± 5°C , 60S ± 2S</li> <li>Tin: lead-free.</li> <li>Temperature: 245°C ± 5°C , flux 3.0S ± 0.5S.</li> </ol>								
Mechanical shock	<ol style="list-style-type: none"> <li>No case deformation or change in appearance</li> <li><math>\Delta L/Lo \leq \pm 10\%</math></li> </ol>	<ol style="list-style-type: none"> <li>Acceleration: 100G</li> <li>Pulse time: 6ms</li> <li>3 times in each positive and negative direction of 3 mutual perpendicular directions</li> </ol>								
Mechanical vibration	<ol style="list-style-type: none"> <li>No case deformation or change in appearance</li> <li><math>\Delta L/Lo \leq \pm 10\%</math></li> </ol>	<ol style="list-style-type: none"> <li>The test samples shall be soldered to the board. Then it shall be submitted to below test conditions. <table border="1" style="margin-left: 20px;"> <tr> <td>Fre. Range</td> <td>10-55Hz</td> </tr> <tr> <td>Total Amplitude</td> <td>1.5mm</td> </tr> <tr> <td>Sweeping Method</td> <td>10Hz to 55Hz to 10Hz</td> </tr> <tr> <td>Time</td> <td>For 2 hours on each X, Y, Z axis.</td> </tr> </table> </li> <li>Recovery: At least 2 hours of recovery under the standard condition after the test, followed by the measurement within 24 ± 2 hours.</li> </ol>	Fre. Range	10-55Hz	Total Amplitude	1.5mm	Sweeping Method	10Hz to 55Hz to 10Hz	Time	For 2 hours on each X, Y, Z axis.
Fre. Range	10-55Hz									
Total Amplitude	1.5mm									
Sweeping Method	10Hz to 55Hz to 10Hz									
Time	For 2 hours on each X, Y, Z axis.									
Thermal Shock	Inductance change: Within ± 10% Without distinct damage in appearance	<ol style="list-style-type: none"> <li>First -55°C for 30 minutes, last 125°C for 30 minutes as 1 cycle. Go through 1000 cycles.</li> <li>Max transfer time is 2 minutes.</li> <li>Measured at room temperature after placing for 24 ± 2 hours</li> </ol>								
Humidity Resistance	Inductance change: Within ± 10% Without distinct damage in appearance	<ol style="list-style-type: none"> <li>Reflow 2 times,</li> <li>85°C, 85%RH, 1000 hours</li> <li>Measured at room temperature after placing for 24 ± 2 hours</li> </ol>								
Low temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	<ol style="list-style-type: none"> <li>Temperature: -55 ± 2°C</li> <li>Time: 1000 hours</li> <li>Measured at room temperature after placing for 24 ± 2 hours</li> </ol>								

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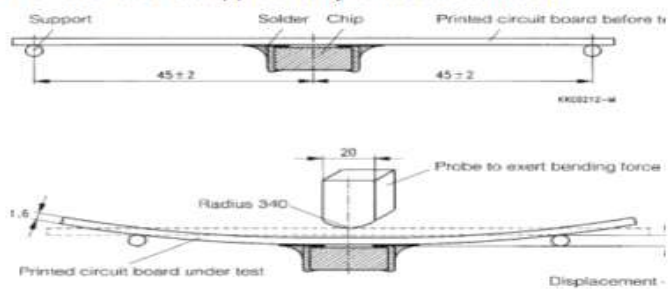
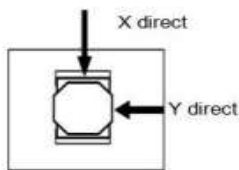
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客户名称 Customer	N/A	品名 Name	Magnetic enclosure shielding inductance	版本 Ver.	A00
客户型号 Model No.	N/A	料号 Material No.	N/A	日期 Date	2024.9.7
客户料号 Customer No.	N/A	型号 Model No.	IRSD2D-8D Series	发行号 Release No.	JS-S-24090708

6. 可靠性测试/Reliability Test:

High temperature storage	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	<ol style="list-style-type: none"> <li>1. Temperature: <math>+125 \pm 2^\circ\text{C}</math></li> <li>2. Time: 1000 hours</li> <li>3. Measured at room temperature after placing for <math>24 \pm 2</math> hours</li> </ol>
Board Flex	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	<ol style="list-style-type: none"> <li>1. Run through IR reflow for 2 times;</li> <li>2. Place the 100mm X 40mm board into a fixture similar to the one shown in below Figure with the component facing down</li> <li>3. The apparatus shall consist of mechanical means to apply a force which will bend the board (D) x = 2 mm minimum.</li> <li>4. The duration of the applied forces shall be <math>60 \pm 5</math> sec. The force is to be applied only once to the board.</li> </ol> 
Terminal Strength	No removal or split of the termination or other defects shall occur.	<ol style="list-style-type: none"> <li>1. The test samples shall be soldered to the board</li> <li>2. Push the product vertically from the side of the sample using the thrust tester.</li> <li>3. Automotive electronics: 17.7N, 60S<math>\pm</math>1s, X, Ydirect.</li> </ol> 

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