SML Series

SMD POWER INDUCTOR

SML型贴片功率电感

HIRED

SMD POWER INDUCTOR SML型贴片功率电感

特征及应用 FEATURES/APPLICATIONS

- 使用载带包装运用于SMT。
- 耐大电流，低直流电阻，八角形
- 磁性屏蔽结构。
- 适用于回流焊SMT工艺。
- 无铅产品，符合ROHS指令。
- 广泛应用于电源设备，数码产品，扫描仪，升降压转换，光驱，DVD播放器，笔记本电脑，主板和显卡等。

- Carrier tape packing use for SMT
- High rated current & Low DCR, octagon
- Magnetically shielded construction.
- Suitable for reflow SMT Craft sodering.
- Lead free products, ROHS compliant.
- Widely use in Power supply equipment/Digital Products/Scanner/DC-DC converter/CD-ROM/ DVD player/Lapton & Notebook/VGA/Displaycard etc.

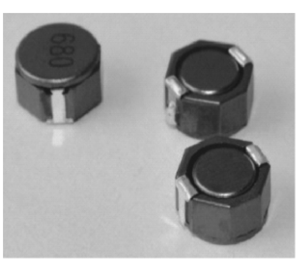
产品标示 PRODUCT INDICATION

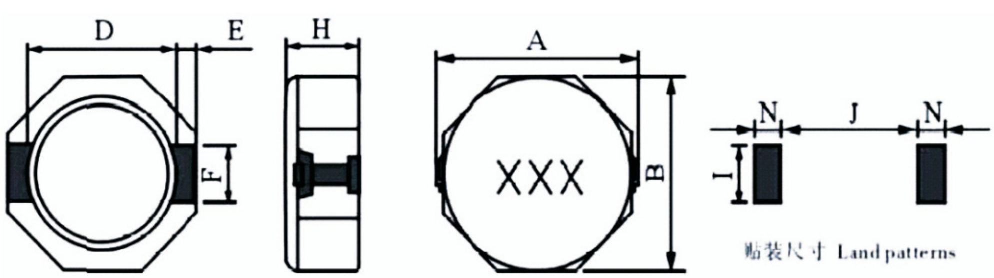
SML	8D43	330	M	T/B
①	②	③	④	⑤

①产品类型：SML型。
②外观尺寸：八角形，8D表示直径8.0mm，43表示高4.3mm.
③电气特性表示330表示33μH。
④允许公差：M表示±20%，N表示±30%。
⑤包装方式：T表示载带盘装；B表示袋装。

①Product type:SML type.
②External dimensions:Octagon, 8D for Diameter8.0mm, 43 for Height 4.3mm.
③Electrical code:330 for 33μH.
④Tolerance:M for±20%, N for±30%.
⑤Packing style:T for carriet tape reel; B for in bulk

外形尺寸（单位：mm） SHAPE AMD DIMENSIONS(unit:mm)





型号TYPE	A Max	B Max	H Max	D	E	F	N	I	J
SML8D28	9.0	8.30	3.0	6.3	1.2	2.6	3.3	3.0	6.0
SML8D38	9.0	8.30	4.0	6.3	1.2	2.6	3.3	3.0	6.0
SML8D43	9.0	8.30	4.5	6.3	1.2	2.6	3.3	3.0	6.0
SML8D58	9.0	8.30	6.0	6.3	1.2	2.6	3.3	3.0	6.0

HIRED 海瑞达

SMD Shielded Power Inductors
SML Series

电气性能 Electrical Characteristics -SML8D28 Series

Part No 产品编号	Test condition 测试条件	Inductance 电感（μ H)	Toierance 公差（%）	DC Resistance 直流电阻（Ω）MAX	Rated DC current 额定电流（A）MAX
SML8D28-2R5N	1kHz/0.25V	2 5	±30	0.016	4.50
SML8D28-3R3N	1kHz/0.25V	3.3	±30	0.018	4.00
SML8D28-4R7N	1kHz/0.25V	4 7	±30	0.025	3.40
SML8D28-100N	1kHz/0.25V	10	±30	0.047	2.50
SML8D28-150M	1kHz/0.25V	15	±20	0.069	1.90
SML8D28-220M	1kHz/0.25V	22	±20	0.099	1.60
SML8D28-330M	1kHz/0.25V	33	±20	0.156	1.30
SML8D28-470M	1kHz/0.25V	47	±20	0.195	1.15
SML8D28-680M	1kHz/0.25V	68	±20	0.286	0.92
SML8D28-101M	1kHz/0.25V	100	±20	0.430	0.75

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

电气性能 Electrical Characteristics -SML8D38 Series

Part No 产品编号	Test condition 测试条件	Inductance 电感（μ H)	Toierance 公差（%）	DC Resistance 直流电阻（Ω）MAX	Rated DC current 额定电流（A）MAX
SML8D38-1R8N	1kHz/0.25V	1 8	±30	0.016	7.00
SML8D38-2R5N	1kHz/0.25V	2 5	±30	0.018	6.50
SML8D38-3R5N	1kHz/0.25V	3 5	±30	0.024	5.00
SML8D38-4R7N	1kHz/0.25V	4 7	±30	0.029	4.60
SML8D38-6R0N	1kHz/0.25V	6 0	±30	0.032	4.20
SML8D38-100N	1kHz/0.25V	10	±30	0.048	3.00
SML8D38-150M	1kHz/0.25V	15	±20	0.067	2.80
SML8D38-220M	1kHz/0.25V	22	±20	0.105	2.30
SML8D38-330M	1kHz/0.25V	33	±20	0.157	1.80
SML8D38-470M	1kHz/0.25V	47	±20	0.189	1.52
SML8D38-680M	1kHz/0.25V	68	±20	0.290	1.30
SML8D38-101M	1kHz/0.25V	100	±20	0.410	1.05

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

电气性能 Electrical Characteristics -SML8D43 Series

Part No 产品编号	Test condition 测试条件	Inductance 电感（μ H)	Toierance 公差（%）	DC Resistance 直流电阻（Ω）MAX	Rated DC current 额定电流（A）MAX
SML8D43-2R0N	1kHz/0.25V	2 0	±30	0.014	7
SML8D43-3R9N	1kHz/0.25V	3 9	±30	0.019	5.9
SML8D43-4R7N	1kHz/0.25V	4.7	±30	0.022	5.6
SML8D43-6R8N	1kHz/0.25V	6.8	±30	0.025	4.4
SML8D43-100N	1kHz/0.25V	10	±30	0.036	4.0
SML8D43-150M	1kHz/0.25V	15	±20	0.053	2.9
SML8D43-220M	1kHz/0.25V	22	±20	0.072	2.6
SML8D43-330M	1kHz/0.25V	33	±20	0.125	2.2
SML8D43-470M	1kHz/0.25V	47	±20	0.15	1.8
SML8D43-680M	1kHz/0.25V	68	±20	0.24	1.5
SML8D43-101M	1kHz/0.25V	100	±20	0.36	1.3

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

电气性能 Electrical Characteristics -SML8D58 Series

Part No 产品编号	Test condition 测试条件	Inductance 电感（μ H)	Toierance 公差（%）	DC Resistance 直流电阻（Ω）MAX	Rated DC current 额定电流（A）MAX
SML8D58-2R8N	1kHz/0.25V	2.0	±30	0.015	4.7
SML8D58-3R9N	1kHz/0.25V	3.9	±30	0.016	4.1
SML8D58-5R0N	1kHz/0.25V	4.7	±30	0.018	3.8
SML8D58-6R2N	1kHz/0.25V	6.2	±30	0.020	3.3
SML8D58-100N	1kHz/0.25V	10	±30	0.026	2.6
SML8D58-150M	1kHz/0.25V	15	±20	0.036	2.3
SML8D58-220M	1kHz/0.25V	22	±20	0.045	1.7
SML8D58-330M	1kHz/0.25V	33	±20	0.065	1.5
SML8D58-470M	1kHz/0.25V	47	±20	0.091	1.2
SML8D58-680M	1kHz/0.25V	68	±20	0.13	1.0
SML8D58-101M	1kHz/0.25V	100	±20	0.18	0.8

※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

▪ 备注 Notes:

- 电感值测试仪： HP4286A/VR1153或同等LCR Meter。
  Inductance instrument:HP4286A or LCR Meter equivalent.
- 电感测试条件：1kHZ/100kHZ.
  Inductance testing condition:1kHz/100kHz .
- 电阻测试仪VR1153或同等的DCR测试设备。
  DCR instrument: VR1153 or DCR test equipment equivalent.
- 额定电流测试：VR7210＆VR1153.
  Rated Current test:VR7210＆VR1153.
- 额定电流定义：电感下降20%或温度上升40℃时取其最小值作为额定电流。
  Rated Current definition:Inductance drop by 20% or temperature rise by 40℃, the iesser of the minimum as the rated current.
- 贮藏温度：-25℃～80℃；相对湿度：RH65%～85%。
  Temperature storage range:-25℃～80℃;the relative humidity:RH65%～85%.

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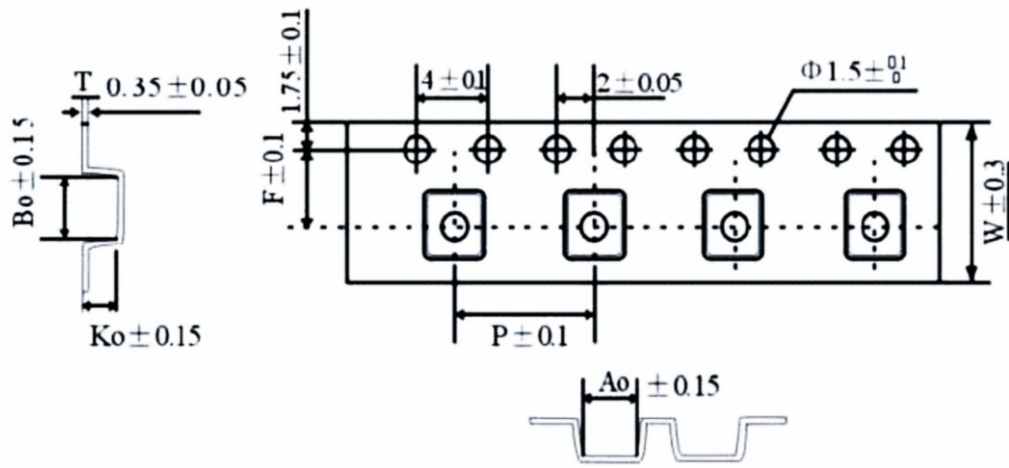
SML TYPE PACKAGING SML型包装规格

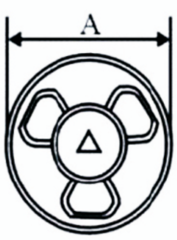
编带尺寸 Dimensions of tape(unit:mm)

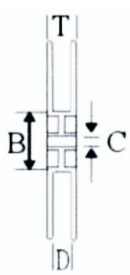


型号Type	尺寸Dimensions						带轮Reel	Quantities(数量)
	AO	BO	W	P	F	KO		PCS/reel(每卷)
SML8D28	9.20	9.20	16.00	12.00	7.50	3.20	330*16	1000
SML8D38	9.20	9.20	16.00	12.00	7.50	4.20	330*16	1000
SML8D43	9.20	9.20	16.00	12.00	7.50	4.80	330*16	1000
SML8D58	9.20	9.20	16.00	12.00	7.50	6.20	330*16	800

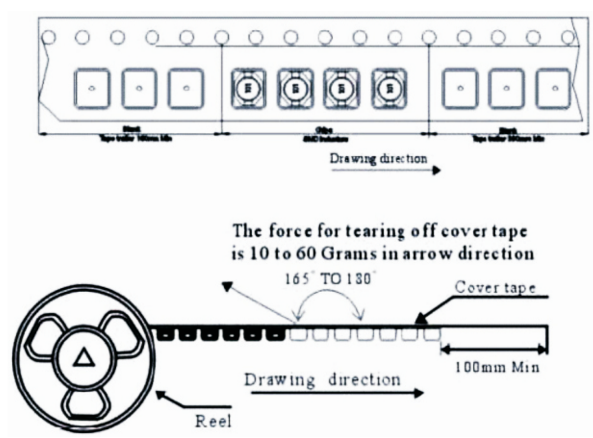
※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.

带轮尺寸 Dimensions of Reel(unit:mm) 编带简图及拉伸方向 Taping figures and drawing direction

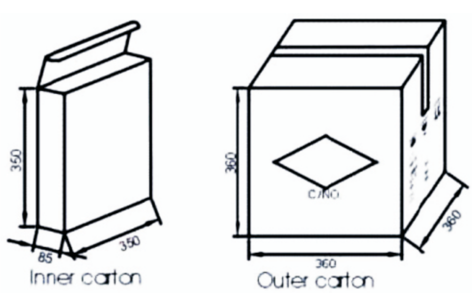




Type	A	B	C	D	T
12mm	330	100	13.5	12.4	16.4
16mm	330	100	13.5	16.4	20.4



包装箱盒尺寸 BOX and case dimensions (unit:mm) 包装数量 Packag quantities(unit:PCS)



4内箱=1外箱(4 boxes in a case)

型号Type	Quantities(数量)	Quantities(数量)
	Inner carton内箱	Outer carton 外箱
SML8D28	4/4000	4/16K
SML8D38	4/4000	4/16K
SML8D43	4/4000	4/16K
SML8D58	4/3200	4/12.8K