

SMH Series

SMD POWER INDUCTOR

SMH型贴片功率电感

FEATURES/APPLICATIONS

- High Q over a wide frequency range.
- With magnetic shield radiation.
- Directly connected on ferrite core.
- Highly accurate dimensions for automatic mounting.
- Winding to winding isolation 200 Vrms.
- Resistance to soldering heat Max three 10 second reflows at +260°C, parts cooled to room temperature between cycles Moisture Sensitivity Level (MSL)1 (unlimited floor life at <30°C/85°C relative humidity).

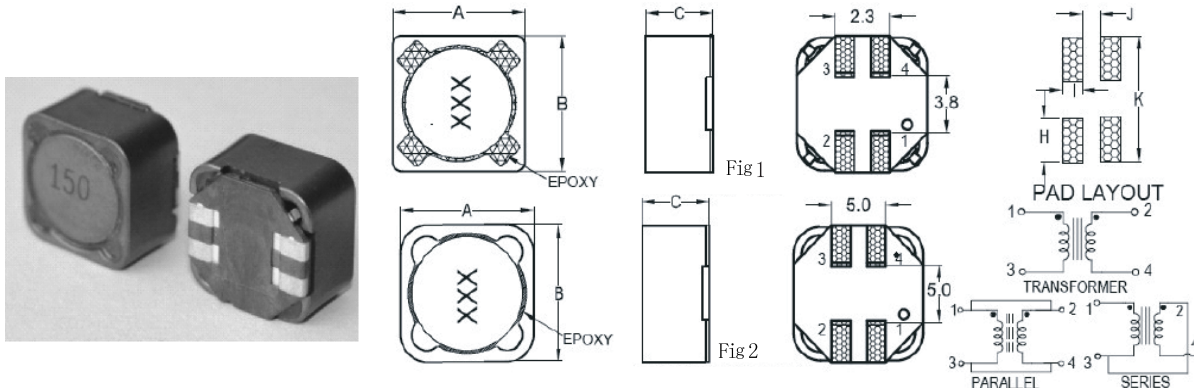
PRODUCT INDICATION

SMH 125 221 M T/B
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① ② ③ ④ ⑤

- ①Product type: SMH type.
- ②External dimensions: Quadrate, 12 for Length 12.00mm, 5 for Height 5.0mm.
- ③Electrical code: 221 for 220 μ H.
- ④Tolerance: M for $\pm 20\%$, N for $\pm 30\%$.
- ⑤Packing style: T for carrier tape reel; B for in bulk

外形尺寸 (单位: mm)

SHAPE AND DIMENSIONS (unit:mm)



型号TYPE	A	B	C (max)	I	J	H	K	Fig
SMH74	7.3 $\pm$ 0.3	7.3 $\pm$ 0.3	4.8	1.1	0.8	2.1	7.5	1
SMH125	12.0 $\pm$ 0.3	12.0 $\pm$ 0.3	6.5	2.0	1.5	4.0	12.5	2
SMH127	12.0 $\pm$ 0.3	12.0 $\pm$ 0.3	8.5	2.0	1.5	4.0	12.5	2

电气性能 Electrical Characteristics -SMH74 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	
					30% drop I sat(A) Max	I rms (A) Max 温升电流 Irms
SMH74-100M	100kHz/0.1V	10	± 20	0.20	1.5	1.24
SMH74-220M	100kHz/0.1V	22	± 20	0.44	1.05	0.84
SMH74-330M	100kHz/0.1V	33	± 20	0.60	0.85	0.76
SMH74-470M	100kHz/0.1V	47	± 20	0.84	0.7	0.61
SMH74-680M	100kHz/0.1V	68	± 20	1.28	0.6	0.51
SMH74-101M	100kHz/0.1V	100	± 20	1.80	0.49	0.45
SMH74-151M	100kHz/0.1V	150	± 20	2.70	0.4	0.34

※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.

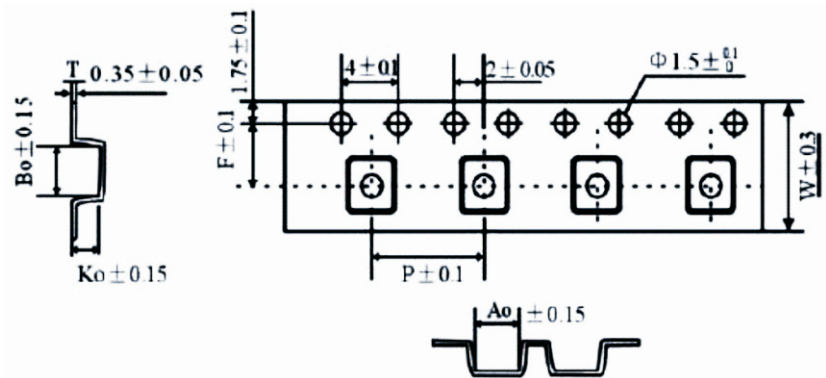
电气性能 Electrical Characteristics -SMH125 Series

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	
					30% drop I sat(A) Max	I rms (A) Max 温升电流 Irms
SMH125-100M	100kHz/0.1V	10	± 20	0.12	3.7	2.8
SMH125-220M	100kHz/0.1V	22	± 20	0.23	2.51	2.1
SMH125-330M	100kHz/0.1V	33	± 20	0.27	2.11	1.6
SMH125-470M	100kHz/0.1V	47	± 20	0.35	1.63	1.4
SMH125-680M	100kHz/0.1V	68	± 20	0.43	1.42	1.2
SMH125-101M	100kHz/0.1V	100	± 20	0.64	1.1	1
SMH125-151M	100kHz/0.1V	150	± 20	0.95	0.91	0.78
SMH125-221M	100kHz/0.1V	220	± 20	1.38	0.76	0.71
SMH125-331M	100kHz/0.1V	330	± 20	2.18	0.64	0.56
SMH125-471M	100kHz/0.1V	470	± 20	3.18	0.5	0.41
SMH125-681M	100kHz/0.1V	680	± 20	4.12	0.44	0.35
SMH125-102M	100kHz/0.1V	1000	± 20	6.12	0.35	0.29

※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.

SMH TYPE PACKING SMH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)
	A0	B0	W	P	F	K0		PCS/reel (每卷)
SMH74	7.60	7.60	16.00	12.00	7.50	5.00	330*16	1000
SMH125	12.60	12.60	24.00	16.00	11.50	6.50	330*24	500
SMH127	12.60	12.60	24.00	16.00	11.50	8.40	330*24	500

※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.

Type	A	B	C	D	T
12mm	330	100	13.5	12.4	16.4
24mm	330	100	13.5	24.4	28.4

The force for tearing off cover tape is 10 to 60 Grams in arrow direction

165° TO 180°

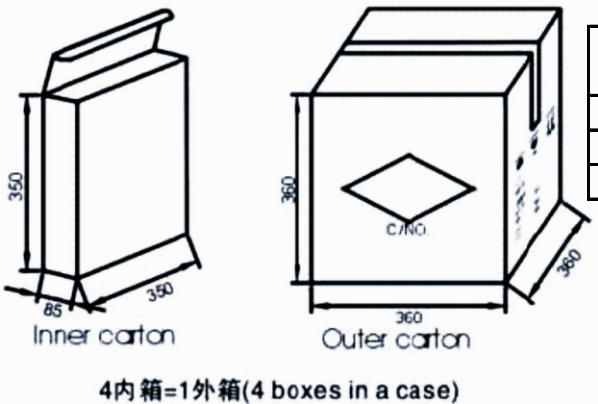
Cover tape

100mm Min

Drawing direction

Reel

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



型号Type	Quantities(数量)	Quantities(数量)
	Inner carton内箱	Outer carton 外箱
SMH74	4/4000	4/16K
SMH125	2/1000	4/4K
SMH127	2/1000	4/4K